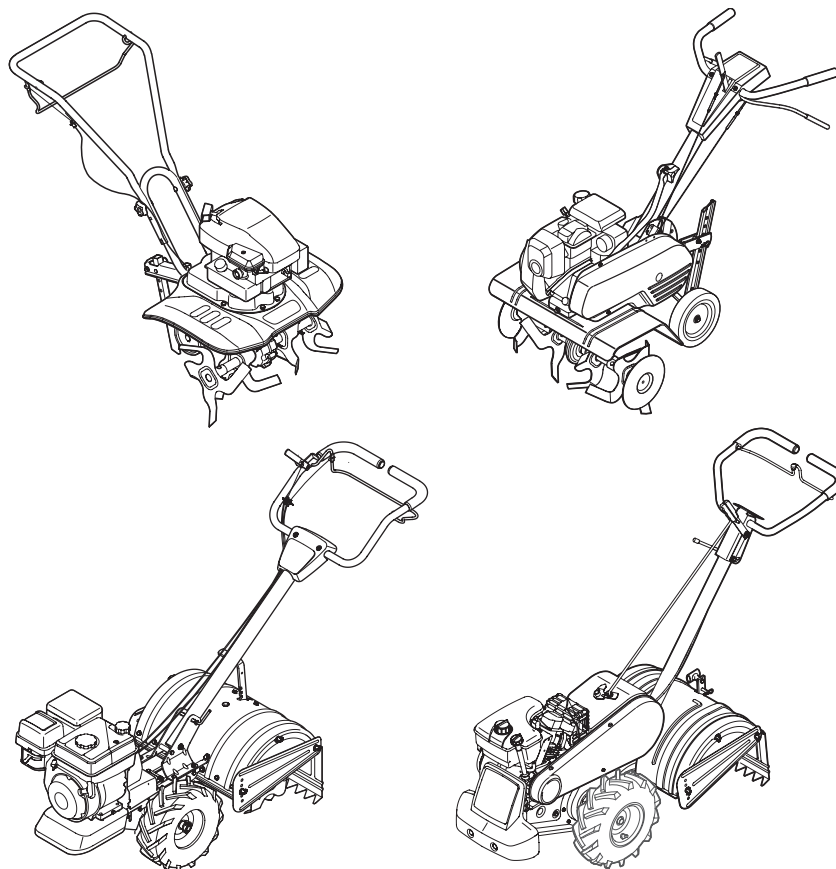

ILLUSTRATED PARTS MANUAL



Tillers / Cultivators

MTD LLC, P.O. BOX 361131 CLEVELAND, OHIO 44136-0019

To The Owner

Thank you for purchasing an MTD Tiller/Cultivator. It was carefully engineered to provide excellent performance when properly operated and maintained.

All information in this manual is relative to the most recent product information available at the time of printing. Please be aware that this Illustrated Part's Manual may cover a range of product specifications for various models.

Components listed and/or illustrated in this manual may not be applicable to all models. We reserve the right to change product specifications, designs and equipment without notice and without incurring obligation.

Throughout this manual, all references to *right* (RH) and *left* (LH) are observed from the operating position.

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Record Product Information

To ease in ordering replacement parts, please locate the model plate on the equipment and record the information in the provided area to the right. You can locate the model plate by looking beneath the seat.

MODEL NUMBER

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SERIAL NUMBER

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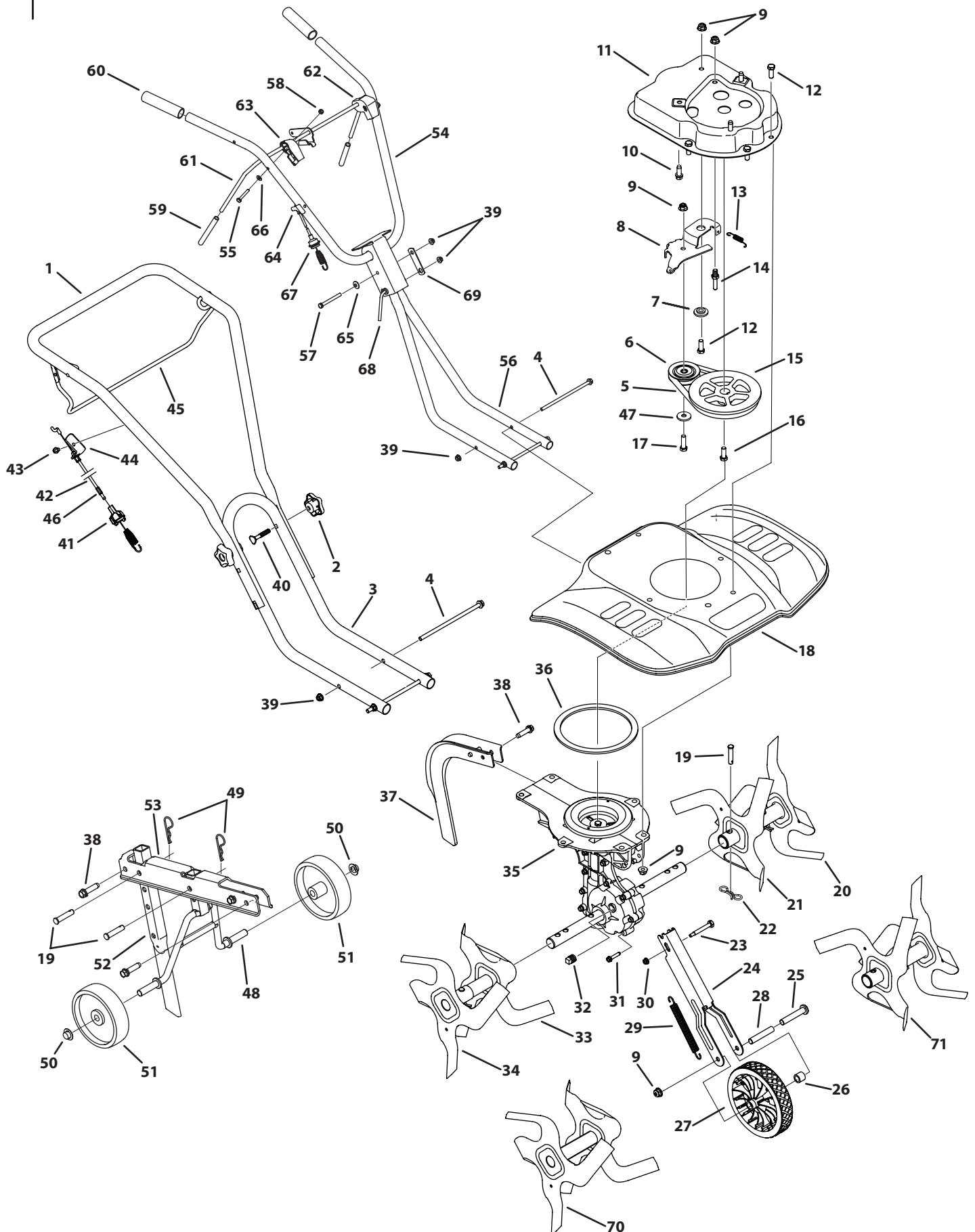
Painted Parts

When ordering painted service parts, a four digit color suffix must be added to the part number (e.g. 783-XXXX-0637). Please refer to the table below for current color codes:

0637	Black	0674	Yellow (Yard-Man)
0709	Dark Green (Bolens, Yard-Man)	0650	Metallic Red (White Outdoor)
0662	Oyster Gray (MTD Gold)	0629	Silver Flake (MTD Platinum)
0638	Red (Yard Machines, Huskee, Troy-Bilt, MTD)	04038	Day Orange (Daedong)
0691	Black Jack (MTD Gold, MasterCut)	04033	Flint Mica (Troy-Bilt XP)

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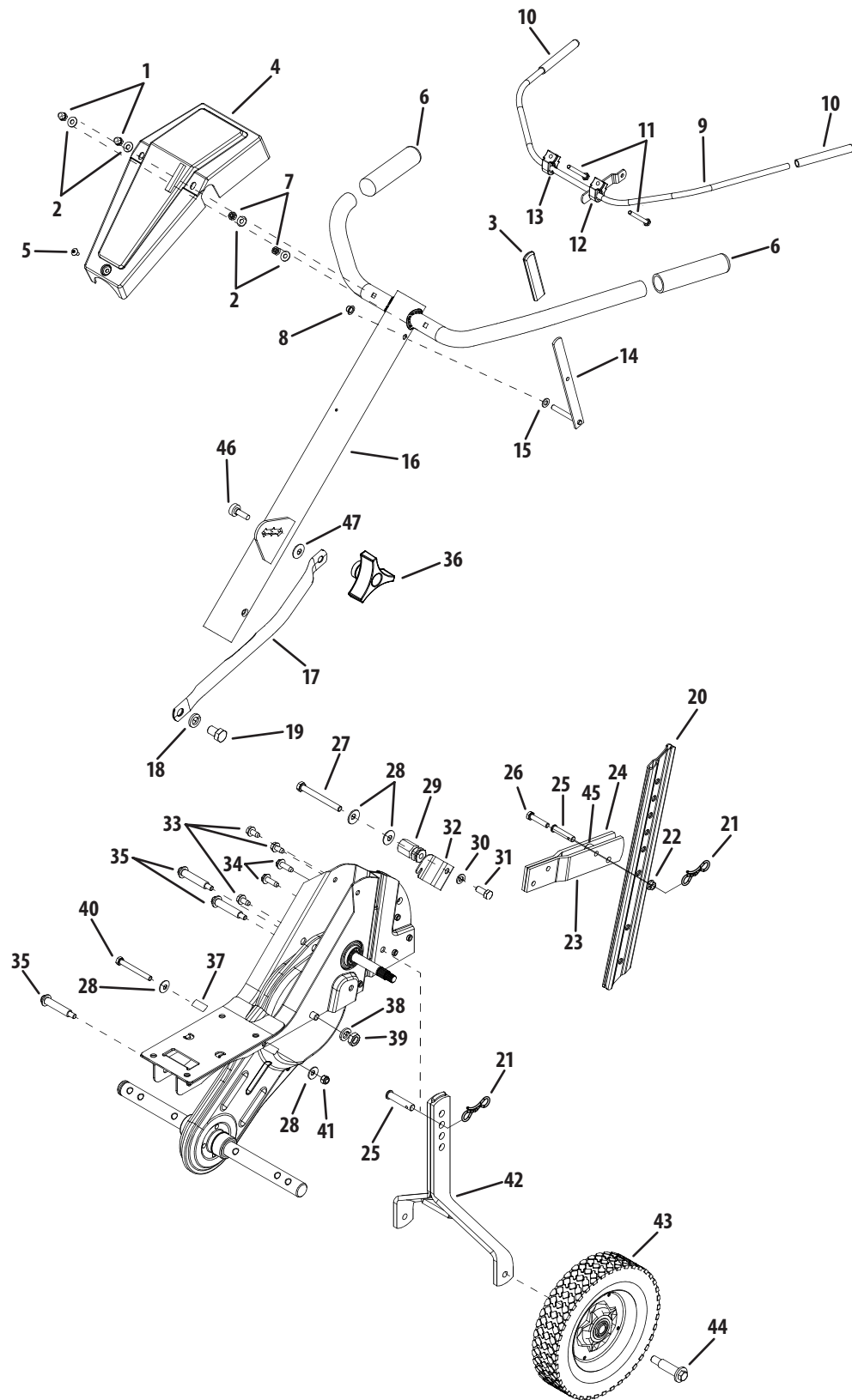
Model Series 200



Ref.	Part Number	Description
1	749-04282	Upper Handle
2	720-04072A	Star Handle Knob
3	749-04281	Lower Handle
4	710-04398	Flange Screw: 5/16-18:7.5:GR5
5	954-04123	V-Belt
6	756-04163	Idler Pulley
7	748-04125	Shoulder Spacer
8	686-04080	Idler Bracket
9	712-04065	Flange Lock Nut: 3/8-16
10	710-0654A	TT Screw: 3/8-16:1.00
11	786-04303	Belt Cover
12	710-0514	Hex Cap Screw: 3/8-16:1.00
13	732-0418	Extension Spring
14	738-04139	Stud: 33 x 1.5: 3/8-16
15	756-04217	Flywheel Pulley
16	710-0591	Hex Cap Screw: 3/8-24:1.00
17	710-0520	Hex Cap Screw: 3/8-16:1.55
18	786-04256	Tine Shield 61 cm
	786-04259	Tine Shield 40 cm (model 220)
19	911-0415	Clevis Pin
20	642-0005	Outer Tine Assembly LH
21	642-0003	Inner Tine Assembly LH
22	714-04043	Cotter Pin, Bow Tie
23	738-04172	Shoulder Screw: .31x2:1/4-20
24	786-04232	Front Wheel Bracket
25	710-0521	Hex Cap Screw: 3/8-16:3.00
26	750-04578	Spacer
27	734-04063A	Wheel 7x1.5 Star-Diam
28	749-04204	Sleeve
29	932-0384	Extension Spring
30	712-04064	Flange Lock Nut: 1/4-20
31	710-0809	TT Screw: 1/4-20:1.25
32	737-04202	Pipe Plug: 3/8 NPT
33	642-0002	Inner Tine Assembly RH
34	642-0004	Outer Tine Assembly RH
35	918-04276B	Case Assembly
	918-04271B	Case Assembly 40cm (model 220)

Ref.	Part Number	Description
36	721-04157	Gasket
37	686-04072	Depth Stake Assembly
38	710-1007	TT Screw: 3/8-16:1.50
39	712-04063	Flange Lock Nut: 5/16-18
40	710-0487	Carriage Bolt
41	946-04626	Clutch Cable Fitting
42	946-04626	Clutch Cable
43	710-0599	TT Screw: 1/4-20:.50
44	786-04307	Cable Mount Bracket
45	747-04508	Clutch Bail
46	716-0208	Retaining Ring
47	936-0300	Flat Washer, .406 x .875 x .059
48	686-04130	Rear Wheel Tube Assembly
49	714-3020	Cotter Pin
50	726-0299	Push Cap
51	734-0973	Wheel 5 x 1.38
52	749-04265	Depth Stake Tube
53	786-04296	Wheel Bracket
54	649-04030	Upper Handle
55	710-0136	Hex Head Cap Screw, 1/4-20 x 1.75
56	649-04029	Lower Handle
57	710-0189	Hex Head Cap Screw, 5/16-18 x 3.00
58	712-0324	Hex Lock Nut, 1/4-20
59	720-0269	Handle Grip
60	720-0274	Grip, 1.0 ID x 5.0 LG
61	647-04047	Clutch Bail
62	731-05095B	Bail Holder LH
63	731-05096B	Bail Holder RH
64	731-05272	Handle Fitting
65	736-0242	Bell Washer, .340 x .872 x .060
66	936-0463	Flat Washer, .25 x .630 x .0515
67	946-04663	Clutch Cable
68	786-0340B	Handle Crank
69	786-0341	Retainer Bracket
70	642-04032	Tine Assembly RH (model 220)
71	642-04031	Tine Assembly LH (model 220)

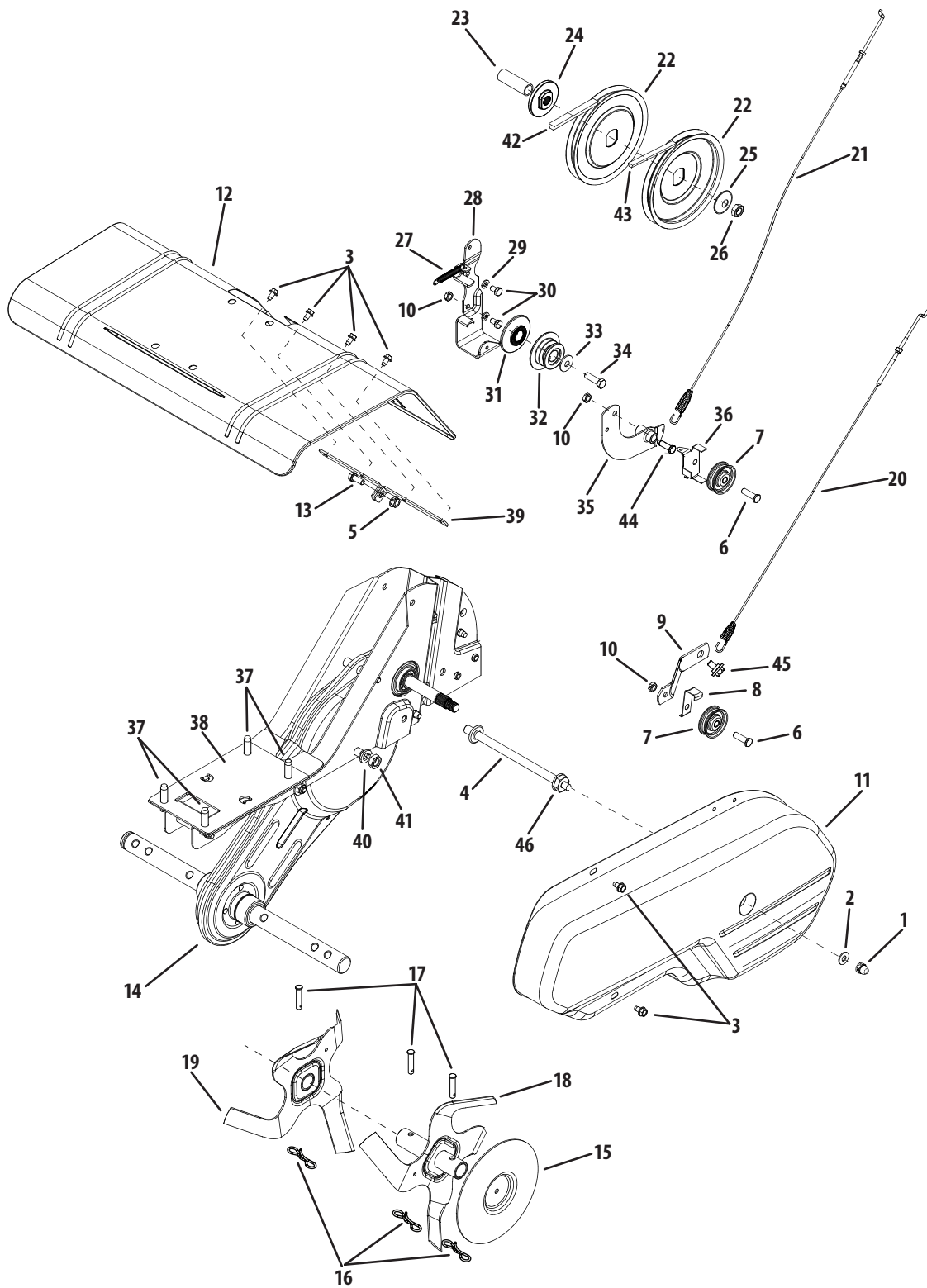
Model Series 300



Ref.	Part Number	Description
1.	912-0442	Acorn Lock Nut, ¼-20
2.	936-3020	Flat Washer, .271" x .630"
3.	720-0270A	Reverse Handle Grip
4.	731-1600	Handle Cover w/o throttle
5.	710-0779A	Truss Machine Screw, #10 x ½"
6.	720-0274	Handle Grip
7.	712-3006	Hex Nut, ¼-20
8.	726-0135	Cap Speed Nut
9.	686-0083	Clutch Handle Assembly
10.	720-0269	Clutch Grip
11.	710-0641	Hex Bolt, ¼-20 x 2.25"
12.	931-1645B	Clutch Handle Holder
13.	936-0140	Flat Washer, .385" x .62"
14.	686-0014C	Reverse Handle Assembly
15.	936-0264	Flat Washer, .344" x .62"
16.	649-04040	Handle Assembly Complete
17.	749-1401A	Handle Brace
18.	936-0921	Lock Washer, ½
19.	710-3194	Hex Bolt, ½-20
20.	786-0005	Depth Bar
21.	714-04043	Cotter Pin, Bow Tie
22.	712-04063	Hex Flange L-Nut, ⅝-18
23.	786-0003	Tail Piece Bracket, Left
24.	786-0004	Tail Piece Bracket, Right

Ref.	Part Number	Description
25.	911-0415	Clevis Pin
26.	710-0805	Hex Bolt, ⅝-18 x 1.5"
27.	710-0189	Hex Bolt, ⅝-18 x 3"
28.	736-0242	Bell Washer, .340" x .872"
29.	711-1036A	Hex Nut
30.	936-0119	L-Washer, ⅝"
31.	710-3008	Hex Bolt, ⅝-18
32.	786-0129	Cable Guide Bracket
33.	710-0604A	Hex Washer Screw, ⅝-18 x .62"
34.	710-0602	Hex Washer TT-Tap Screw
35.	738-0934	Shoulder Bolt, ⅝-18
36.	720-0195	Hand Knob
37.	750-0470	Spacer
38.	936-0171	Lock Washer, ⅞
39.	912-0240	Jam Nut, ⅞-20
40.	710-0176	Hex Bolt, ⅝-18 x 2.75"
41.	912-0429	Nylon Hex Nut, ⅝-18
42.	686-0081A	Wheel Hanger Bracket Assembly
43.	734-1268	Wheel, 8 x 1.75
44.	738-0929	Shoulder Screw, .496 x 1.445
45.	750-0890	Spacer
46.	710-1236	Carriage Bolt, ⅝-18 x 1
47.	736-0242	Bell Washer, .34"

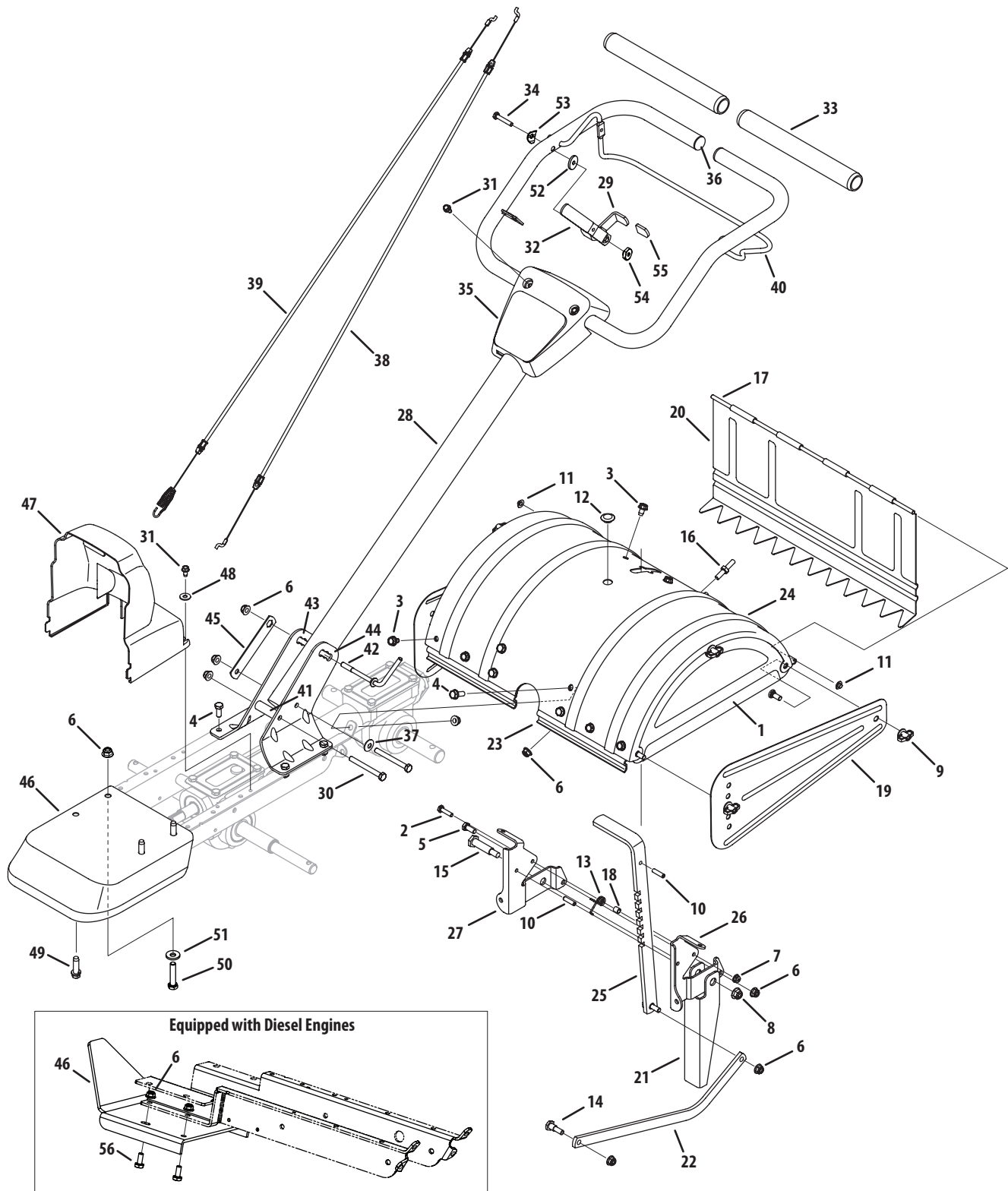
Model Series 300



Ref.	Part Number	Description
1.	712-0392	Hex L-Stop Nut, ¼-28
2.	936-3020	Flat Washer, 266" x .625"
3.	710-0599	Hex Washer TT-Tap Screw, ¼-20 x .5"
4.	711-0920	Belt Cover Bolt
5.	712-04063	Hex Flange Top L-Nut, ⅝-18
6.	710-3005	Hex Head Screw, ⅜-16 x 1.25"
7.	756-0313	Flat Idler Pulley, 2.12"
8.	786-0149	Idler Belt Keeper
9.	786-0144	Idler Bracket
10.	712-0266A	Hex Center Jam Nut, ⅜-16
11.	786-0057	Belt Cover
12.	786-0043A	Tine Shield
13.	710-3008	Hex Head Cap Screw, ⅝-18 x .75"
14.	986-0091	Chain Case Assembly Complete
15.	686-0106	Outer Disc Plate Assembly
16.	714-04043	Cotter Pin, Bow Tie
17.	911-0415	Clevis Pin
18.	642-0023	Outer Tine Assembly, Left
—	642-0024	Outer Tine Assembly, Right
19.	642-0003	Inner Tine Assembly, Left
—	642-0002	Inner Tine Assembly, Right
20.	946-0918	Forward Clutch Cable
21.	946-0953	Reverse Clutch Cable
22.	756-0585	Flat Pulley, 6"

Ref.	Part Number	Description
23.	950-0892	Spacer, .64" x 2.4"
24.	948-0350	Pulley Mounting Adapter
25.	736-0112	Bell Washer, 525" x 1.5"
26.	712-3029	Hex Jam Nut, ½-20
27.	732-0697	Return Spring
28.	786-0040B	Reverse Bracket
29.	936-0119	Lock Washer, ⅝
30.	710-0237	Hex Bolt, ⅝-24 x .625"
31.	756-0971	Engine Inner Pulley
32.	756-0600	Reverse Engine Pulley
33.	936-0452	Bell Washer, .396" x ¼"
34.	710-1039	Hex Bolt, ⅜-24 x 1.00"
35.	686-0013	Reverse Arm Assembly
36.	786-0041	Reverse Belt Keeper
37.	710-0502A	Hex L-Washer TT-Tap, ⅜-16 x 1.25"
38.	786-0145A	Engine Plate
39.	786-0053	Tine Shield Bracket
40.	936-0171	L-Washer, ⅞"
41.	912-0240	Hex Nut, ⅞-20
42.	954-0428	Forward Drive Belt, ½ x 41.9"
43.	954-0429	Reverse Drive Belt, ⅜ x 45.68"
44.	938-0102	Shoulder Screw, .498 x 1.445
45.	738-0930	Shoulder Screw, .560 x .165
46.	712-3004A	Flangelock Nut, 5/16 - 18

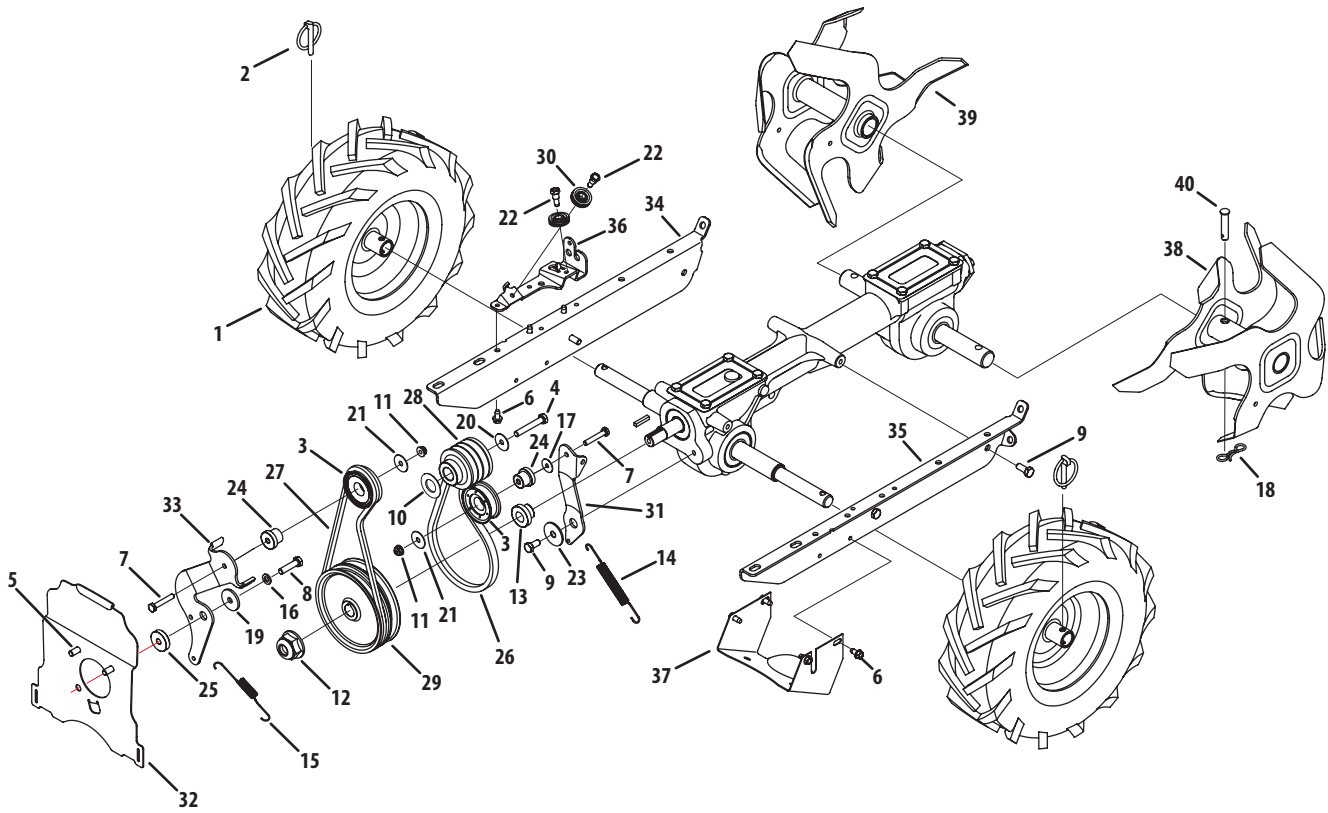
Model Series 400



Ref.	Part Number	Description
1.	686-0044B	End Cover Assembly
2.	710-0597	Hex Head Screw, 1/4-20 x 1
3.	710-0604A	Hex Head Screw, 5/16-18 x .625
4.	710-1238	Hex Head Screw, 5/16-18 x .875
5.	710-3008	Hex Head Screw, 5/16-18 x .75
6.	712-04063	Nylon Hex Lock Nut, 5/16-18
—	712-0635	Hex Nut, M10 (Diesel)
7.	712-04064	Nylon Hex Lock Nut, 1/4-20
8.	712-04065	Flange Lock Nut, 3/8-16
9.	712-0421	Wing Nut, 5/16-18
10.	715-0108	Spirol Pin
11.	926-0106	Cap Nut, 1/4 Rod
12.	731-05512	Hole Plug
13.	732-04320	Torsion Spring
14.	738-04320	Shoulder Screw, .405 x .435 5/16-18
15.	938-0533	Shoulder Screw, .498 x 1.635
16.	938-0849	Stop Screw
17.	747-0432	Tiller Flap Rod
18.	750-05349	Spacer
19..	786-0090A	Side Shield
20.	786-0113A	Rear Tine Shield
21.	786-04092	Reverse Stop Arm
22.	786-04104	Drag Bar
23.	786-04352A	Tine Shield Mounting Bracket
24.	786-04355A	Tine Shield
25.	786-04356	Adjustable Depth Bar
26.	786-04363	Tail Bracket, LH
27.	786-04364	Tail Bracket, RH
28.	649-04098	Upper Handle Assembly
29.	686-04135	Reverse Handle Assembly

Ref.	Part Number	Description
30.	710-0189	Hex Head Screw, 5/16-18 x 3.00
31.	710-0599	Self-Tapping Screw, 1/4-20 x 1/2
32.	731-04735	Handle Select
33.	720-0278A	Foam Handle Grip
34.	710-3288	Hex Head Screw, 1/4-20 x 1.62
35.	731-06253A	Handle Cover
36.	735-04105	Plug End
37.	736-0242	Bell Washer, .340 x .872 x .060
38.	946-04504	Reverse Cable
39.	946-04506	Forward Cable
40.	747-04789	Clutch Bail
41.	750-0885A	Spacer, .322 x .625 x 2.00
42.	786-0340B	Handle Crank
43.	786-04344	Handle Bracket, RH
44.	786-04345	Handle Bracket, LH
45.	786-04358	Retainer Nut Bracket
46.	786-04360	Front Bumper
—	786-04451	Front Bumper (Diesel)
47.	731-06529	Belt Cover
48.	736-0173	Flat Washer, .28 x .74 x .063
49.	710-0502A	SEMS Screw, 3/8-16
50.	710-0805	Hex Head Screw, 5/16-18 x 1.50
—	710-1641	Hex Head Screw, M10 x 1.5 (Diesel)
51.	736-04193	Bell Washer, .827 x .331 x .098
—	736-0686	Lock Washer (Diesel)
52.	936-0176	Flat Washer, .265 x .938 x .120
53.	936-0451	Saddle Washer, .320 x .930 x .060
54.	738-0440	Spacer, .375 x .165
55.	720-04173	Reverse Handle Grip
56.	710-04750	Screw, 5/16-18 x .750 (Diesel)

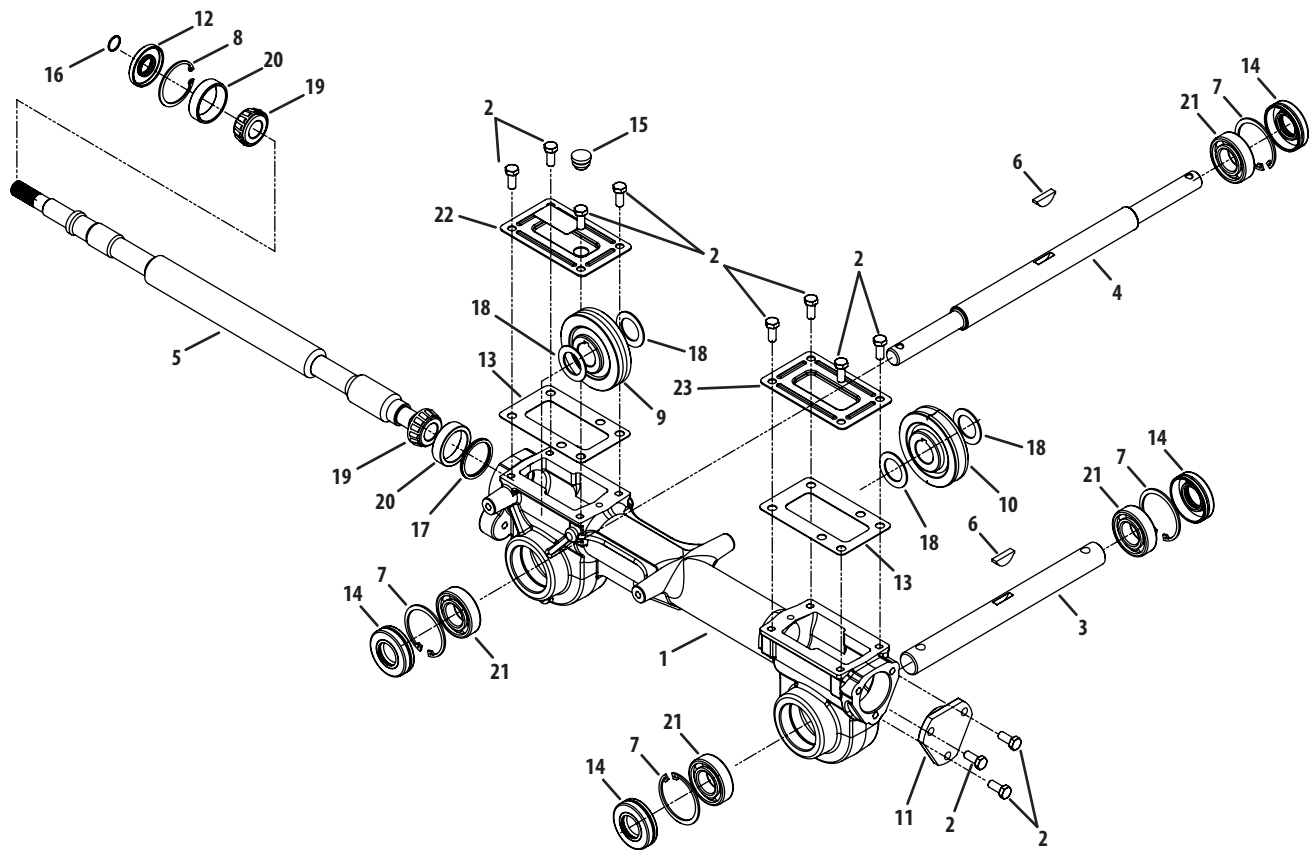
Model Series 400



Ref.	Part Number	Description
1.	934-04232	Complete Whl. Ass., 13 x 5 x 6 (B, C)
2.	714-0143A	Klik Pin
3.	684-04168	Idler Pulley Assembly
4.	710-0331	Hex Head Screw, $\frac{3}{8}$ -24 x 2.25
—	710-05465	Hex Head Screw, M8 x 20.0 (Diesel)
5.	710-0170	Hex Head Screw, $\frac{5}{16}$ -24 x .625
—	710-1681	Hex Head Screw, M8 x 1.25 (Diesel)
6.	710-0599	Self Tapping Screw, $\frac{1}{4}$ -20 x .500
7.	710-0606	Hex Head Screw, $\frac{1}{4}$ -20 x 1.50
8.	710-0672	Hex Head Screw, $\frac{5}{16}$ -18 x 1.25
—	710-1683	Hex Head Screw, M8 x 30.0 (Diesel)
9.	710-1880	Hex Head Screw, $\frac{5}{16}$ -18 x .75, Patch
10.	736-0315	Washer, Flat, .760 x 1.50 x .120
—	748-04291	Engine Spacer (Diesel)
11.	712-04064	Nylon Hex Lock Nut, $\frac{1}{4}$ -20
12.	712-0700	Nut, 9/16-18, Flange Lock
13.	718-04407	Hub, $\frac{5}{8}$ Spline
14.	732-04085	Extension Spring, .480 OD X 5.00 LG
15.	732-04276A	Extension Spring, LT5 PTO
16.	936-0119	Lock Washer, $\frac{5}{16}$
17.	736-0173	Washer, .28 x .74 x .063
18.	714-04043	Cotter Pin, Bow Tie
19.	736-0343	Flat Washer, .330 X 1.25 X .120
20.	936-0452	Bell Washer, .396 x 1.140 x .095

Ref.	Part Number	Description
21.	736-3092	Flat Washer, .265 x 1.0 x .030
22.	738-04425	Shoulder Screw, .342 x .335 $\frac{1}{4}$ -28
23.	748-04087A	Pivot Idler Spacer
24.	750-04571	Shoulder Spacer, .260 x .785 x .538
25.	750-04907	Pivot Idler Spacer
26.	1916657	V-Belt, 4L x 25.375 Long
27.	1916658	V-Belt, 3L x 29.125 Long
28.	756-04198A	Engine Pulley
29.	756-04355	Transmission Pulley
30.	756-0625	Cable Roller
31.	786-04312	Idler Bracket, Forward
32.	786-04343	Cover Plate
33.	786-04346	Idler Bracket, Reverse
34.	786-04416A	Mounting Frame, RH
—	786-04450	Mounting Frame, RH (Diesel)
35.	786-04415B	Mounting Frame, LH
—	786-04449	Mounting Frame, LH (Diesel)
36.	786-04357	Pulley Bracket
37.	786-04371	Pulley Shield
38.	642-04071	Tine Assembly, LH
	642-04095	Tine Assembly, LH (International)
39.	642-04072	Tine Assembly, RH
	642-04096	Tine Assembly, RH (International)
40.	911-0415	Clevis Pin, .375 x 1.75

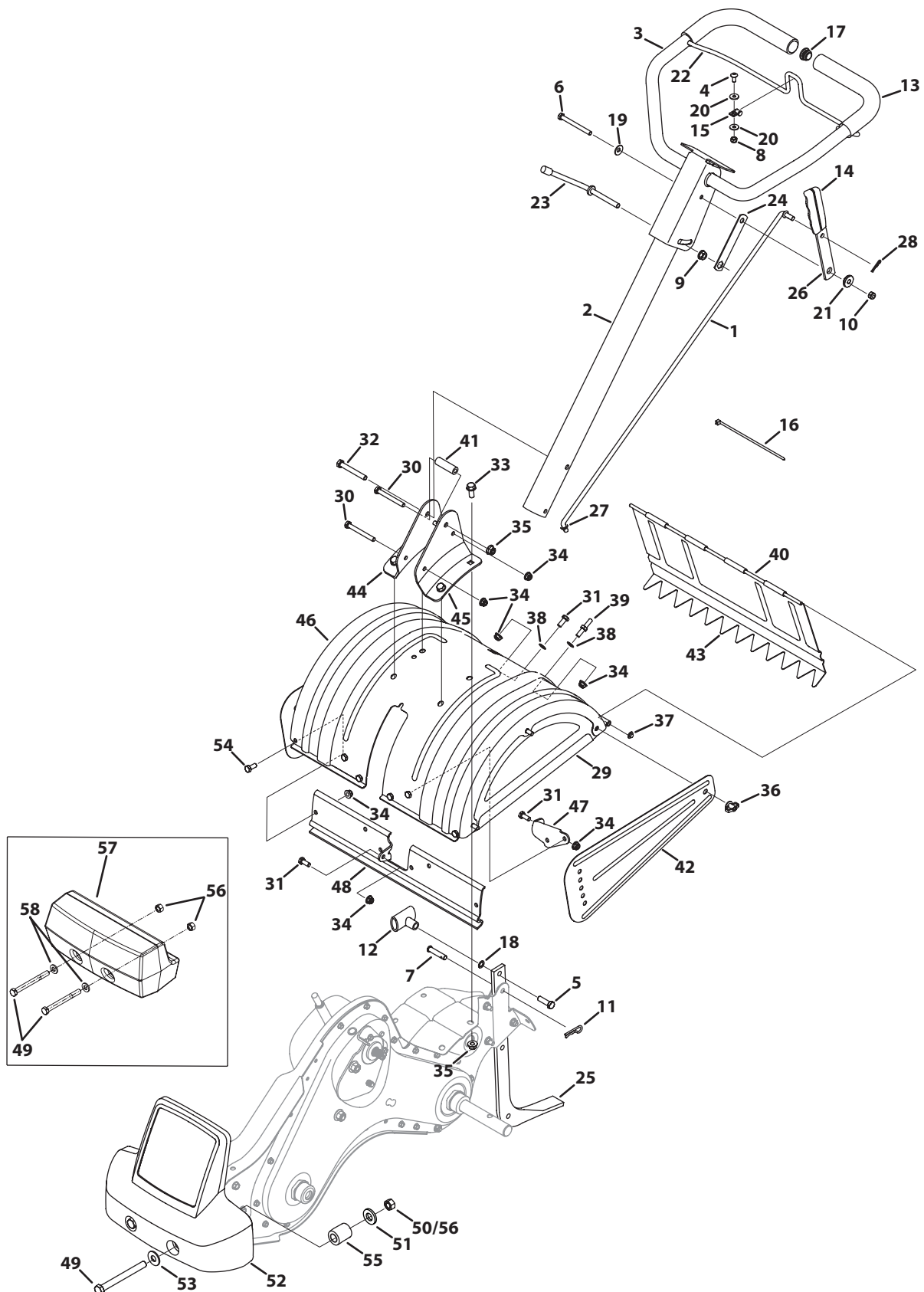
Model Series 400



Ref.	Part Number	Description
	918-04815A	Transmission Assembly
1.	919-04184A	Housing, Transmission
2.	710-3008	Hex Screw, 5/16-18, .75, Gr5
3.	911-04844	Shaft, Tiller
4.	911-04854	Shaft, Wheel
5.	911-05028	Shaft, Worm
6.	714-04059	Key, Hi Pro .25 x 1.062
7.	716-0204	Retaining Ring
8.	716-04102	Retaining Ring, Int
9.	917-04380	Worm Gear, 61t, RH
10.	917-04381	Worm Gear, 30t, LH
11.	918-04435	Bearing Cover
12.	921-04030	Seal, Oil, .750 Shaft x 1.783 Bore
13.	921-04229	Gasket, Gear Housing
14.	721-04232	Seal, Oil, 1.00 Shaft x 2.00 Bore
15.	721-04271	Rubber Plug, Oil
16.	732-0614	Wire Ring
17.	736-04305	Washer, Flat, 1.50 x 1.75 x .062
—	736-04306	Washer, Flat, 1.50 x 1.75 x .005
—	736-04307	Washer, Flat, 1.50 x 1.75 x .03
—	736-04308	Washer, Flat, 1.50 x 1.75 x .010
18.	736-0745	Washer, Flat, 1.010 x 1.56 x .060
19.	941-04298	Cone Bearing
20.	941-04299	Bearing Cup
21.	741-3114	Ball Bearing
22.	786-04366	Cover, Transmission
23.	786-04392	Cover, Transmission

* — The flat washers listed are used as required to obtain .005 to .015 in allowable end play on the drive shaft.

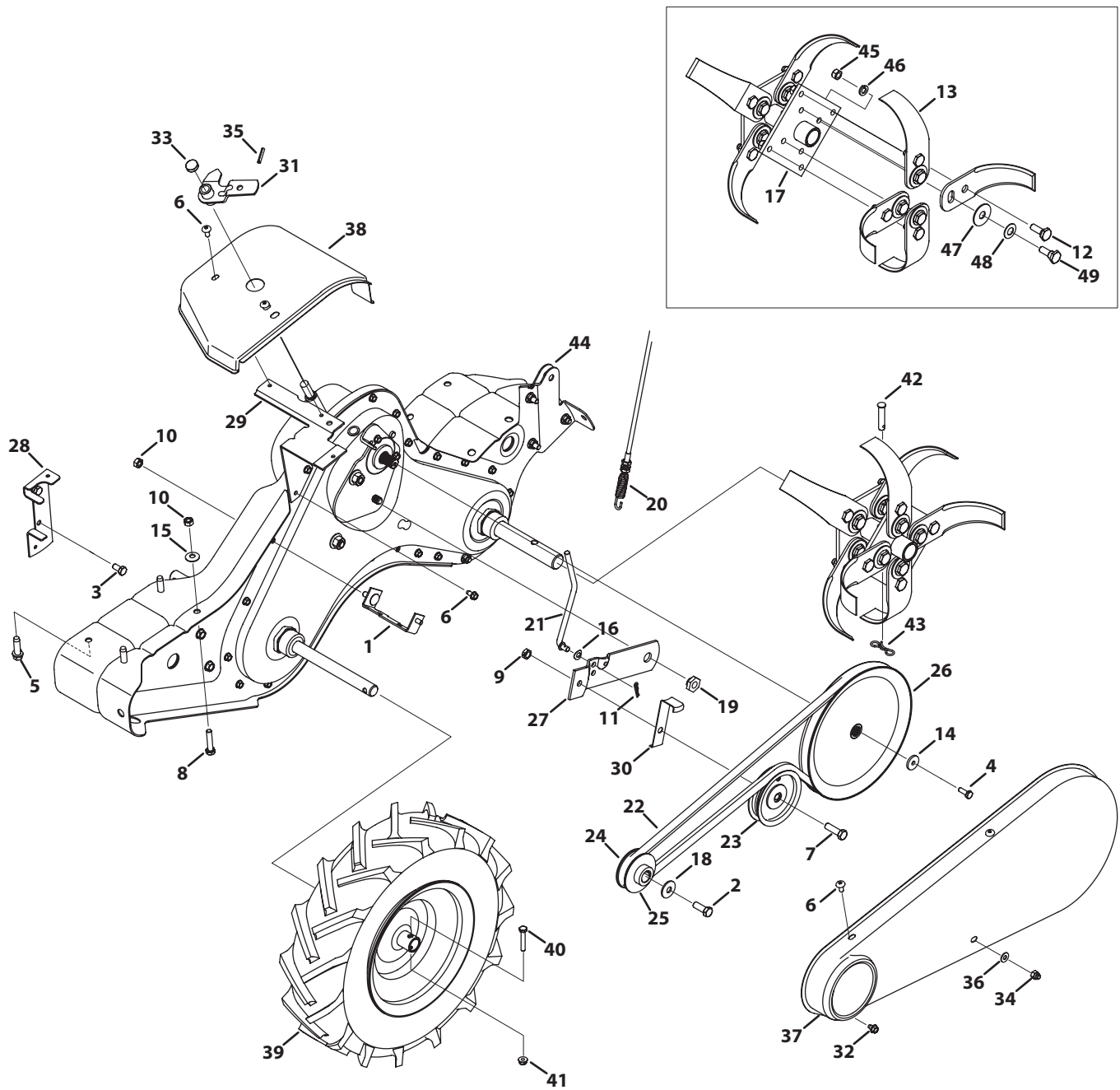
Model Series 450



Ref.	Part Number	Description
1	747-1152	Shaft Rod
2	649-0034	Lower Handle Tube Assembly
3	649-0041	Upper Handle Assembly
4	710-0946	Screw, 1/4-20 x 0.625
5	710-3005	Hex Head Screw, 3/8-16:1.25
6	710-3056	Hex Head Screw, 5/16-18 x 3.25
7	911-0415	Clevis Pin, .375 X 1.75
8	712-0324	Hexlock Nut, 1/4-20
9	712-0379	Flangelock Nut, 3/8-24
10	912-0429	Hexlock Nut, 5/16-18
11	714-0147	Cotter Pin, .125 X 1.75 INTERNAL
12	720-0210A	Small Tee Knob
13	720-0278A	Foam Grip, .970 x 11.0
14	720-0313	Grip, .1875 x 1.00
15	726-0273	Battery Clamp, 5/16
16	726-0317	Cable Tie, 8.5 LG
17	735-0246A	End Plug
18	936-0117	Washer, Flat, .385 x .620 x .033
19	736-0242	Washer, Bell, .340 x .872 x .060
20	736-3090	Washer, Flat, .260 x .720 x .060
21	938-0958	Spacer, Shoulder, .50 x .190 x .360 LG
22	747-1219	Clutch Bail
23	784-0190	Handle Adjustment Crank
24	784-0191	Hex Nut Retainer Bracket
25	786-0120	Tiller Depth Control
26	786-0181	Shaft Rod Lever
27	735-0127	Washer, Rubber, .33 ID x .87 OD x .125
28	914-0104	Cotter Pin, .072 x 1.12 LG
29	686-0044B	End Cover Assembly
30	710-0176	Hex Head Screw, 5/16-18 x 2.75

Ref.	Part Number	Description
31	710-3008	Hex Head Screw, 5/16-18 x .75
32	710-3022	Hex Head Screw, 3/8-16 x 2.75
33	710-04482	Hex Head Flange, 3/8-16 x .875
34	712-04063	Flangelock Nut, 5/16-18
35	712-04065	Flangelock Nut, 3/8-16
36	712-0421	Wing Nut, 5/16-18 W/ Bell Washer
37	926-0106	Speed Nut Cap, 1/4 ROD
38	736-0204	Washer, Flat, .344 x .62 x .033
39	938-0849	Screw, Hex, 5/16-18 x .75
40	747-0432	Tiller Flap Rod
41	750-0885A	Spacer, .322 x .625 x 2.00
42	786-0090A	Side Shield
43	786-0113A	Rear Tine Shield
44	786-0176	RH Handle Mount Bracket
45	786-0177	LH Handle Mount Bracket
46	786-0178A	Tine Shield
47	786-0179	FRT Tine Shield Bracket
48	786-0180	FRT Tine Shield Spacer Bracket
49	710-0382	Hex Head Screw, 1/2-13 x 5.00
	710-0506	Hex Head Screw, 1/2-13 x 5.50
50	912-0206	Hex Nut, 1/2-13
	912-3058	Hex Nut, 1/2-20
51	936-0326	Washer, 1/2 x 1.25 x .10
52	731-1595	Counterweight
53	936-0179	Washer, Flat, 1/2 x 1.25 x .100
54	710-0376	Hex Head Screw, 5/16-18 x 1.00
55	750-0194	Hub, .636 ID x 1.00 OD x .94
56	712-04150	Flange Lock Nut, 1/2-13
57	723-0381	Counterweight, 40 lbs.
58	936-0326	Flat Washer

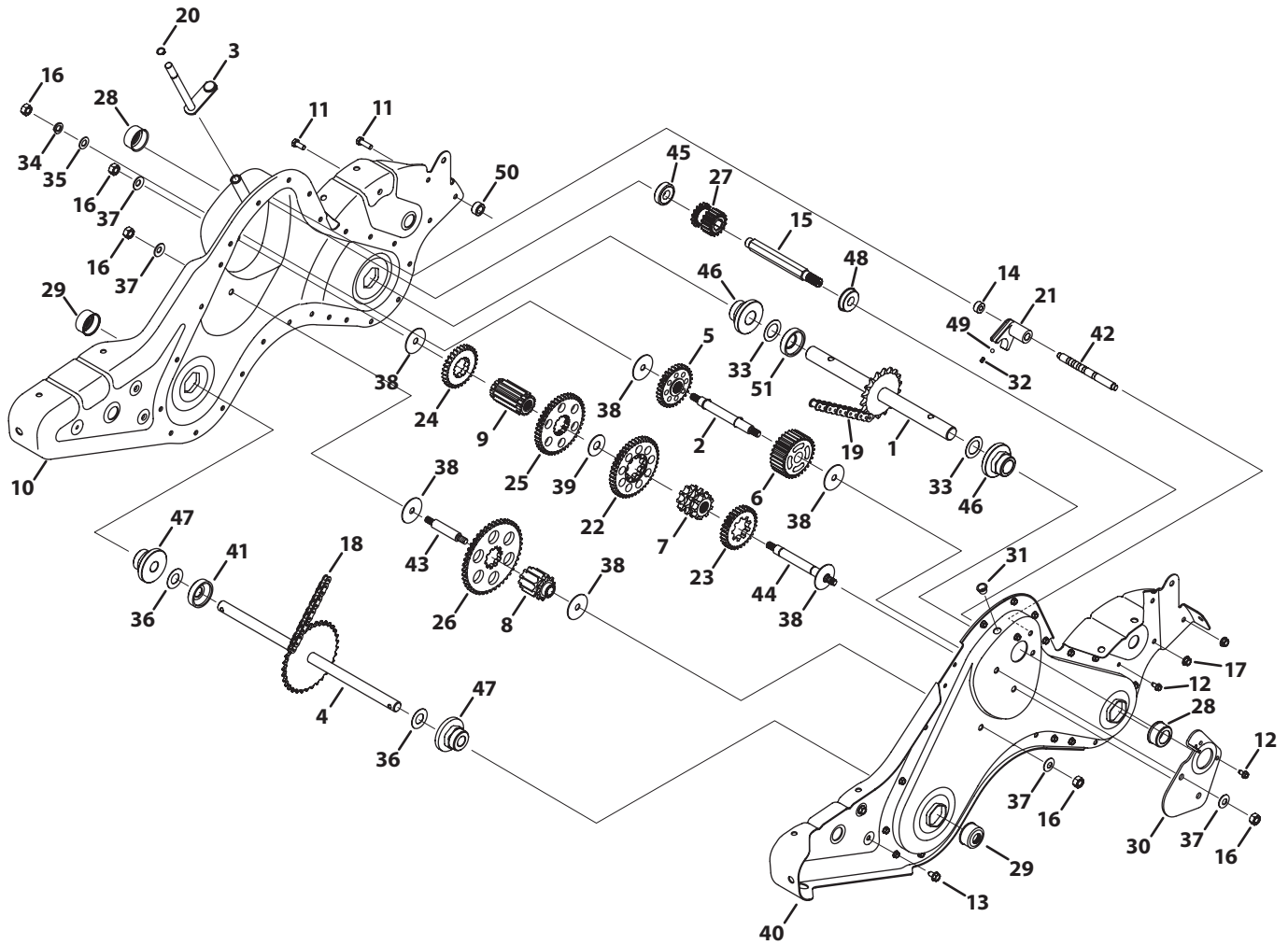
Model Series 450



Ref.	Part Number	Description
1	686-0111	Belt Cover Bracket Assembly
2	710-1039	Hex Head Screw, 3/8-24 x 1.00
3	710-0170	Hex Bolt, 5/16-24 x .625
4	710-0513	Hex Bolt, 1/4-28 x .75"
5	710-0502A	Screw, 3/8-16 x 1.250
6	710-1652	Hex Washer Screw
7	710-3005	Hex Head Screw, 3/8-16 x 1.25
8	710-0805	Hex Head Screw, 5/16-18 x 1.50
9	712-0266A	Jamlock Nut, 3/8-16
10	712-04063	Flangelock Nut, 5/16-18
11	914-0104	Cotter Pin, .072 DIA. x 1.13 LG
12	938-0689	Screw, Shoulder, 3/8-24 x 1/2 x .180
13	742-0305A	Articulating Tine
14	936-0176	Washer, Flat, .265 x .938 x .120
15	736-0242	Washer, Bell, .340 x .872 x .060
16	936-0271	Washer, Spring, .317 x .625 x .020
17	784-0160	Tine Adaptor Assembly
18	936-0452	Washer, Bell, .396 x 1.140 x .095
19	738-0876A	Shoulder Nut, 7/16-20
20	946-1117	Clutch Cable
21	747-1159	Idler Pulley Rod
22	954-0434	Belt, 4L x 58.16 LG
23	756-0405	Flat Idler Pulley w/ Flanges, 3.75 O.D.
24	756-0971	Engine Pulley, Inner Half
25	756-0972	Engine Pulley, Outer Half

Ref.	Part Number	Description
26	756-1162	Input Pulley, 4L x 8.594
27	786-0064A	Idler Pulley Bracket
28	786-0185A	Belt Keeper Bracket, B&S 6.5 HP
29	786-0187	Shift Cover Bracket
30	786-0193	Idler Belt Keeper
31	686-0109A	Shift Crank Assembly
32	710-0653	Screw, 1/4-20:0.375
33	731-07556	Cap
34	712-0392	Lock Nut, Cap, 1/4-28
35	715-0120	Spiral Pin, 3/16 x 1.00
36	936-3020	Washer, Flat, .271x .630 x .065
37	784-0158A	Belt Cover
38	784-0208D	Shift Cover
39	934-04231	Wheel, 16 x 4.6 x 8
	934-04233	Wheel, 14 x 4.5 x 6
40	710-05289	Hex Head Screw, 1/4-20 x 1.50
41	712-04064	Flangelock Nut, 1/4-20
42	911-0415	Clevis Pin, .375 x 1.75
43	714-04043	Cotter Pin, Bow-Tie
44	986-04074B	Complete Gear Case Assembly
45	712-3054	Hexlock Nut, 3/8-24
46	936-0169	Washer, Lock, 3/8
47	936-0208	Washer, Flat, .51 x 1.5 x 0.07
48	936-0253	Washer, Bell, .525 x 1.00 x .050
49	938-0688	Screw, Shoulder, 3/8-24 x 1/2 x .325

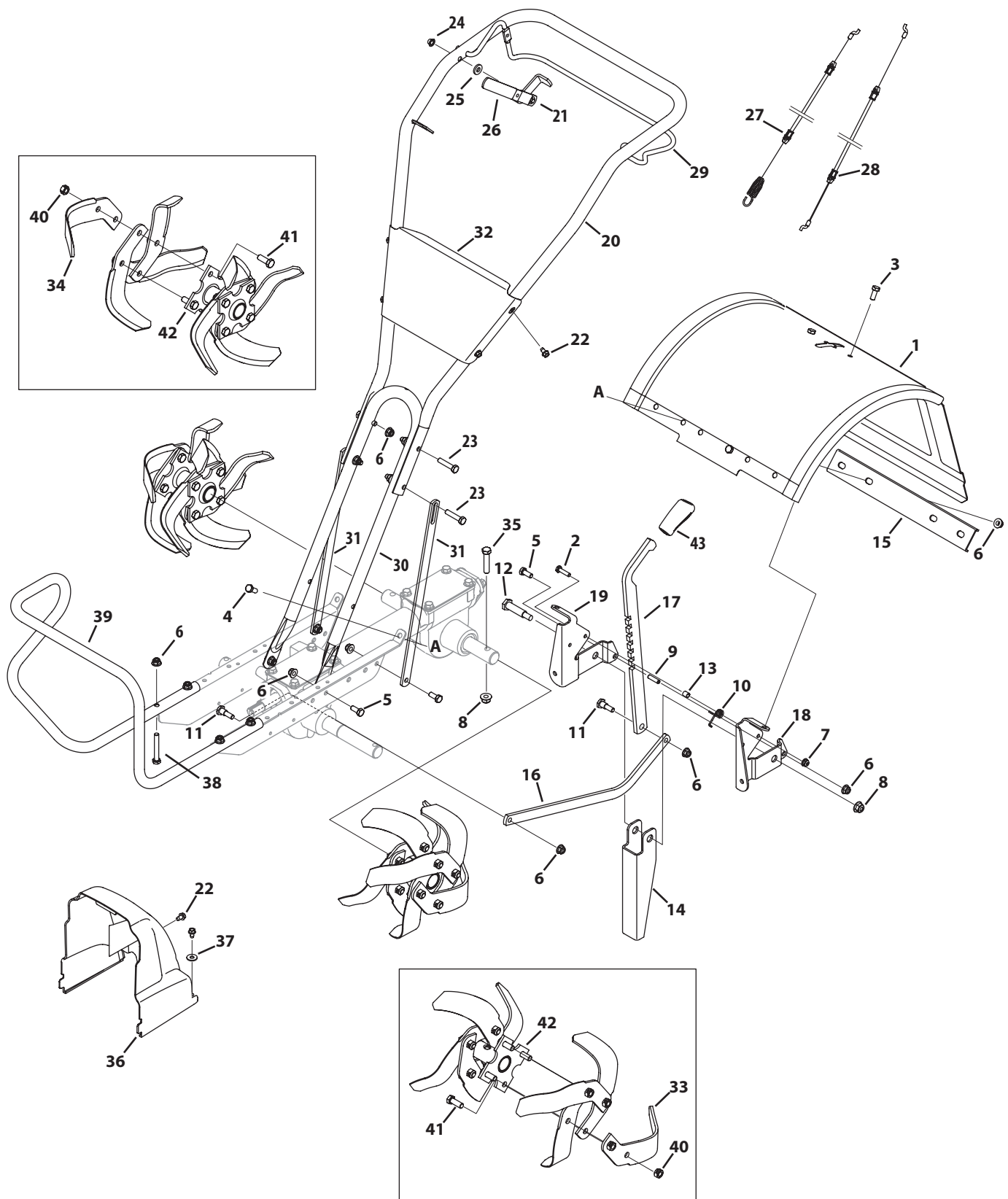
Model Series 450



Ref.	Part Number	Description
1	611-0021	Shaft Assembly, Tine, 18T
2	611-0128	Shaft Assembly, Jack
3	611-0129	Shaft Assembly, Shift Input
4	611-04074A	Shaft Assembly, Wheel, 33T
5	617-0058	Gear Assembly, 30T Reverse Idler
6	617-0059	Gear Assembly, 30T Tine Idler
7	617-0060	Sprocket Assembly, 9T Tine Input
8	617-0061	Sprocket Assembly, 10T Whl Input
9	617-0062	Gear Assembly, 11T
10	686-0108A	RH Chain Case Housing Assembly
11	710-0376	Hex Head Screw, 5/16-18 x 1.00
12	710-1652	Screw, 1/4-20 x 0.625
13	710-04484	Screw, :5/16-18 x 0.75
14	750-0664	Spacer, .505 ID x .88 OD x .440
15	711-1349A	Input Shaft, .75
16	712-0378	Nut, Hex, 7/16-20
17	712-04063	Nut, Flangelock, 5/16-18
18	913-0367	Endless Chain, #420 x 50 Links
19	913-0484	Endless Chain, #50 x 54 Links
20	716-0865	Snap Ring, .500
21	717-0853A	Clutch Collar
22	717-1582A	Gear Spur, 44T
23	717-1583	Gear Spur, 30T
24	717-1584	Gear Spur, 30T
25	717-1585	Gear Spur, 44T
26	717-1587	Gear Spur, 44T

Ref.	Part Number	Description
27	717-1594	Gear Spur, 16T
28	921-0378	Shaft Seal, 1.0
29	721-0379	Shaft Seal, .75
30	786-0238	Positioner Gear Bracket
31	726-0277	Tapered Cap Plug
32	732-04778	Compression Spring, .230 OD
33	936-0163	Washer, Flat, 1.03 x 1.62 x .03
34	936-0171	Washer, Lock, 7/16
35	936-0226	Washer, Flat, .474 x .879 x .064
36	936-0351	Washer, Flat, .760 ID x 1.50 OD
37	736-0407	Washer, Bell, .45 x 1.00 x .062
38	736-0518	Washer, Thrust, .445 x 1.92 x .060
39	736-3088	Washer, Flat, 1.595 x .635 x .062
40	686-04129	LH Chain Case Housing
41	950-0671	Spacer, .75 x 2.0 x .50
42	738-0645	Shaft Detent, .5 DIA
43	738-0648	Shaft, Jack, .625 x 2.385
44	738-04424A	Shaft, Jack, .6250 x 5.0050
45	941-0600	Ball Bearing, 17 x 40 x 12:6203
46	941-0420	Flange Bearing, 1.0 x 2.5 x 1.38
47	741-0421	Flange Bearing, .75 x 2.5 x 1.38
48	941-0563	Ball Bearing, 17 x 40 x 12:6203
49	741-0862	Ball, Detent, .250
50	750-0258	Spacer, .315 x .750 x .375 LG
51	950-0570	Spacer, 1.0 ID x 2.0 OD x .5 LG

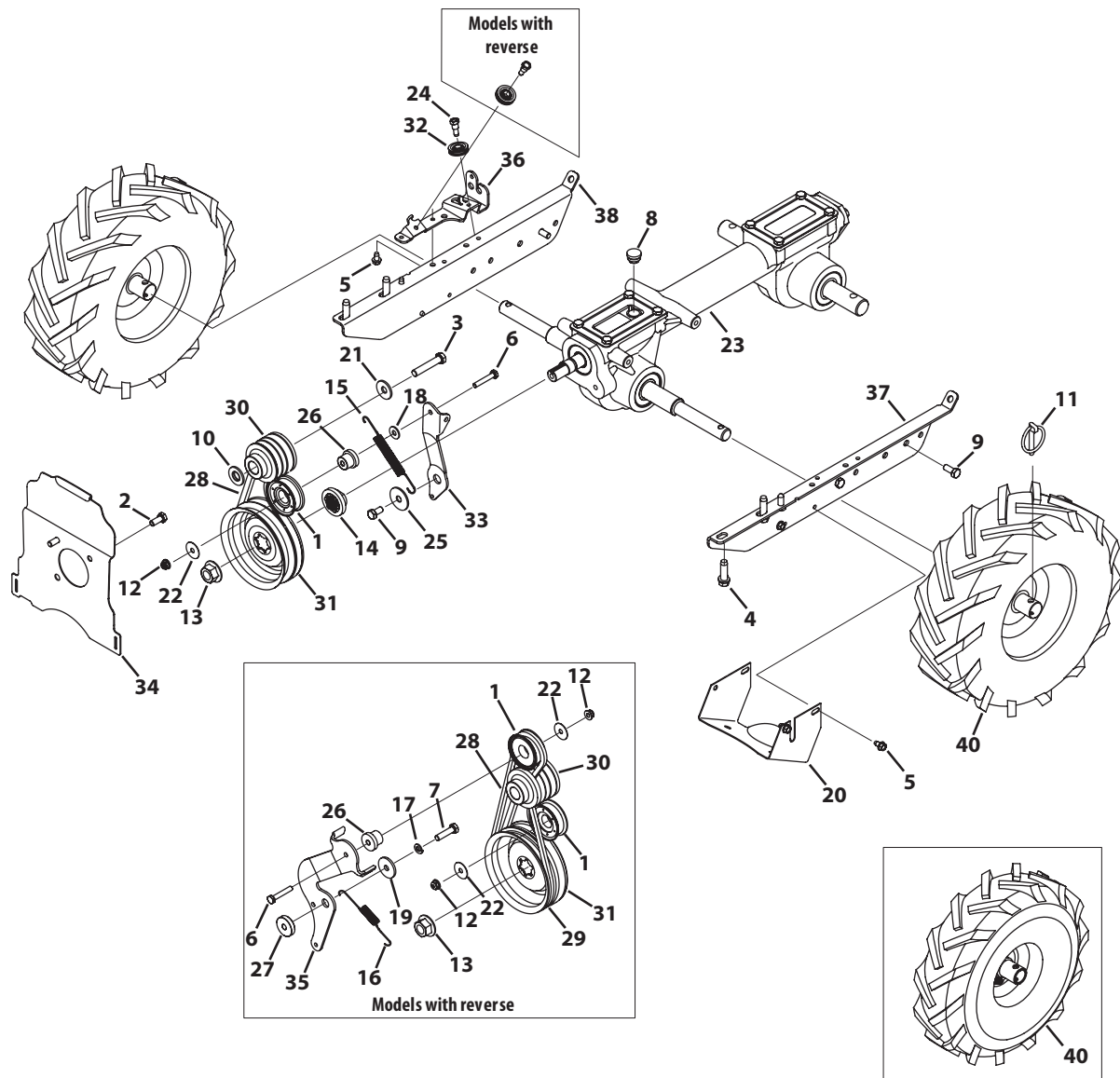
Model Series 640 & 650



Ref.	Part Number	Description	Ref.	Part Number	Description
1*	686-04077A	Tine Shield Assembly	23	710-0805	Hex Head Screw, 5/16-18 x 1.50
1	686-04076A	Tine Shield Assembly	24*	726-0135	Cap Nut, .3125 Dia.
2	710-0597	Hex Head Screw, 1/4-20 x 1.00	25*	936-3008	Flat Washer, .344 x .750 x .120
3	710-0604A	Screw, 5/16-18 x 0.625	26*	720-0270A	Reverse Handle Grip
4	710-1238	Hex Head Washer, 5/16-18 x .875	27	946-04413	Forward Cable
5	710-3008	Hex Head Screw, 5/16-18 x .75	28*	946-04414	Reverse Cable
6	712-04063	Flangelock Nut, 5/16-18	29	747-04789	Clutch Bail
7	712-04064	Flangelock Nut, 1/4-20	30	749-04208	Lower Handle
8	712-04065	Flangelock Nut, 3/8-16	31	786-04188	Support Handle Bracket
9	715-0108	Spring Pin, 1/4 DIA x 1.00 LG	32	786-04200	Handle Panel
10	732-04320	Torsion Spring	33	742-04226	LH Bolo Tine
11	738-04320	Screw, Shoulder, 5/16-18 x .405 x .435	34	742-04227	RH Bolo Tine
12	938-0533	Screw, Shoulder, 5/16-18 x 1.635	35	710-0347	Hex Head Screw, 3/8-16 x 1.75
13	750-05349	Spacer, Split, .350 x .268 x .375	36	731-06170	Belt Cover
14	786-04092	Stop Reverse Arm	37	736-0173	Washer, Flat, .28 x .74 x .063
15	786-04098	Support Channel Bracket	38*	710-0395	Hex Head Screw, 5/16-18 x 2.25
16	786-04104	Depth Drag Bar	39*	749-04193	Bumper
17	786-04292A	Depth Adjuster Bar	40	912-3000	Nut, Hexlock, 3/8-16
18	786-04363	LH Tail Bracket	41	710-0514	Hex Head Screw, 3/8-16 x 1.00
19	786-04364	RH Tail Bracket	42*	686-04065	Tine Holder Assembly
20	649-04066	Upper Handle Assembly	42	686-04066	Tine Holder Assembly
21*	686-04098	Reverse Handle Assembly	43	720-04163	Handle Grip
22	710-0599	Screw, 1/4-20 x 0.500			

* 650 Series

Model Series 640 & 650



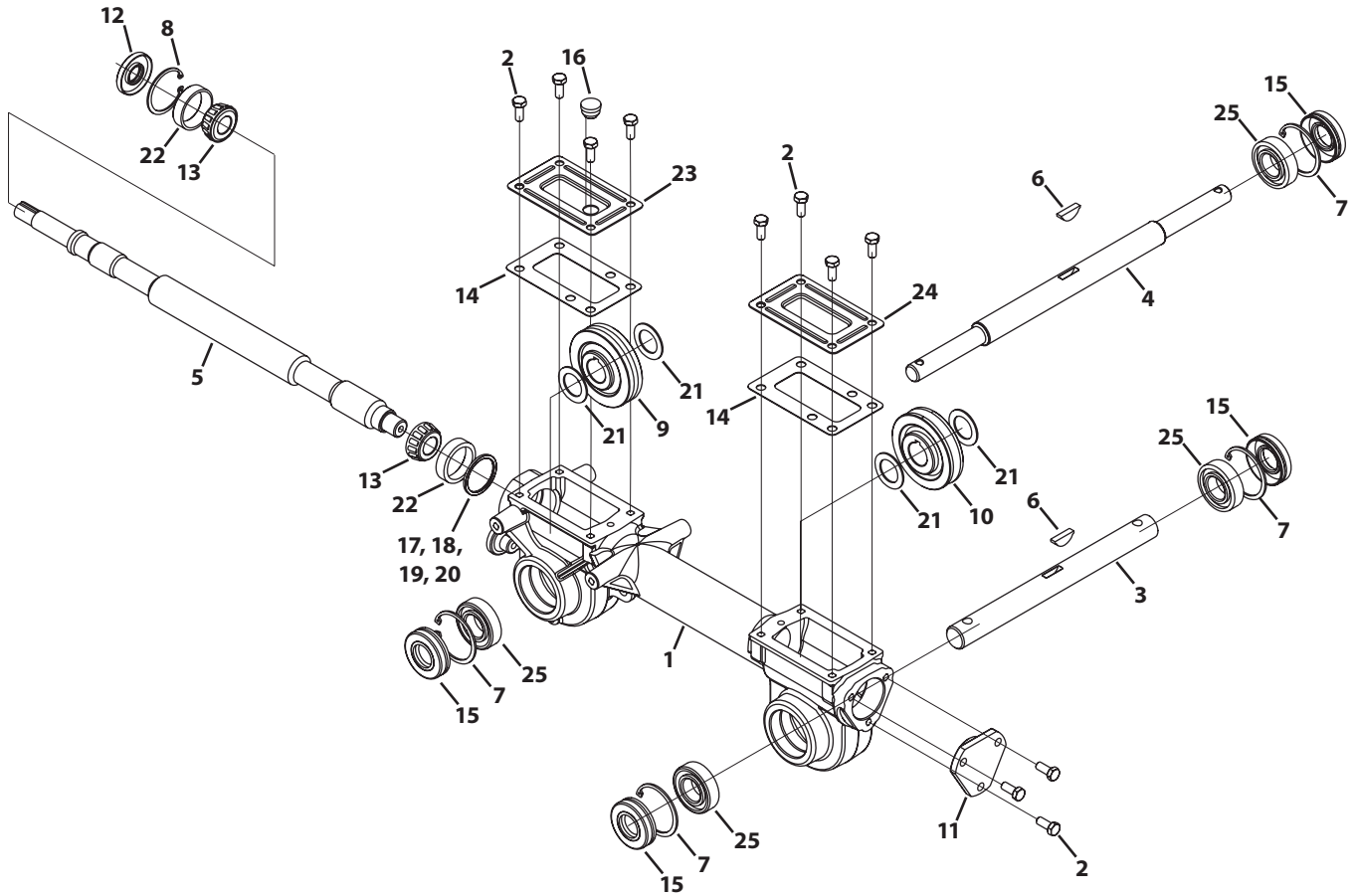
Model Series 640 & 650

Ref.	Part Number	Description
1	684-04168	Idler Pulley Assembly, 1.917 OD
2	710-0170	Hex Head Screw, 5/16-24 x .625
3	710-0151	Hex Head Screw, 3/8-24 x 2.00
4	710-0502A	Screw, 3/8-16 x 1.250
5	710-0599	Screw, 1/4-20 x 0.500
6	710-0606	Hex Head Screw, 1/4-20 x 1.50
7	710-0672	Hex Head Screw, 5/16-24 x 1.25
8	721-04271	Oil Plug
9	710-1880	Hex Head Screw, 5/16-18 x .75, Patch
10	736-0315	Washer, Flat, .760 x 1.50 x .120
11	714-0143A	Klik Pin, .25 DIA x 1.56
12	712-04064	Flangelock Nut, 1/4-20
13	712-0700	Flange Nut, 9/16-18
14	718-04407	Pulley Hub, 5/8 SPLINE
15	732-04085	Extension Spring, .480 OD x 5.00 LG
16	732-04276A	Extension Spring, LT5 PTO
17	936-0119	Washer, Lock, 5/16
18	736-0173	Washer, Flat, .28 x .74 x .063
19	736-0343	Washer, Flat, .330 x 1.25 x .120
20	786-04371	Pulley Shield

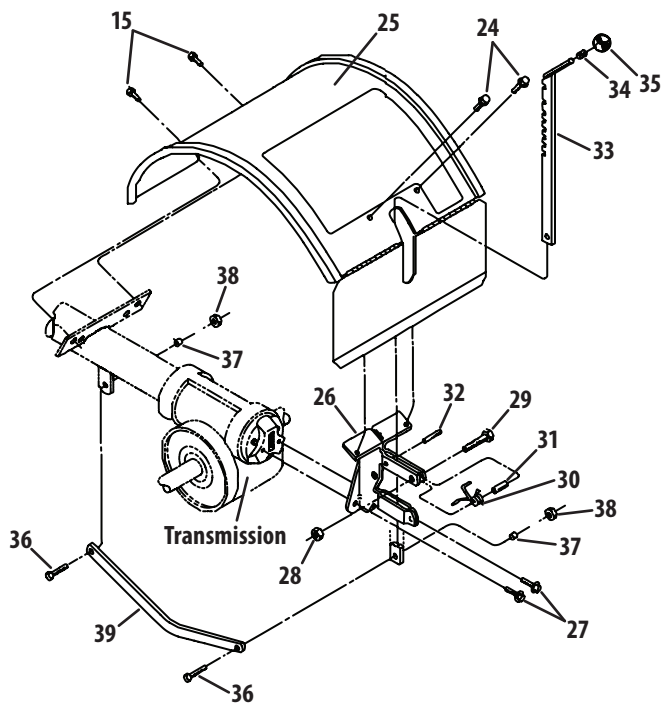
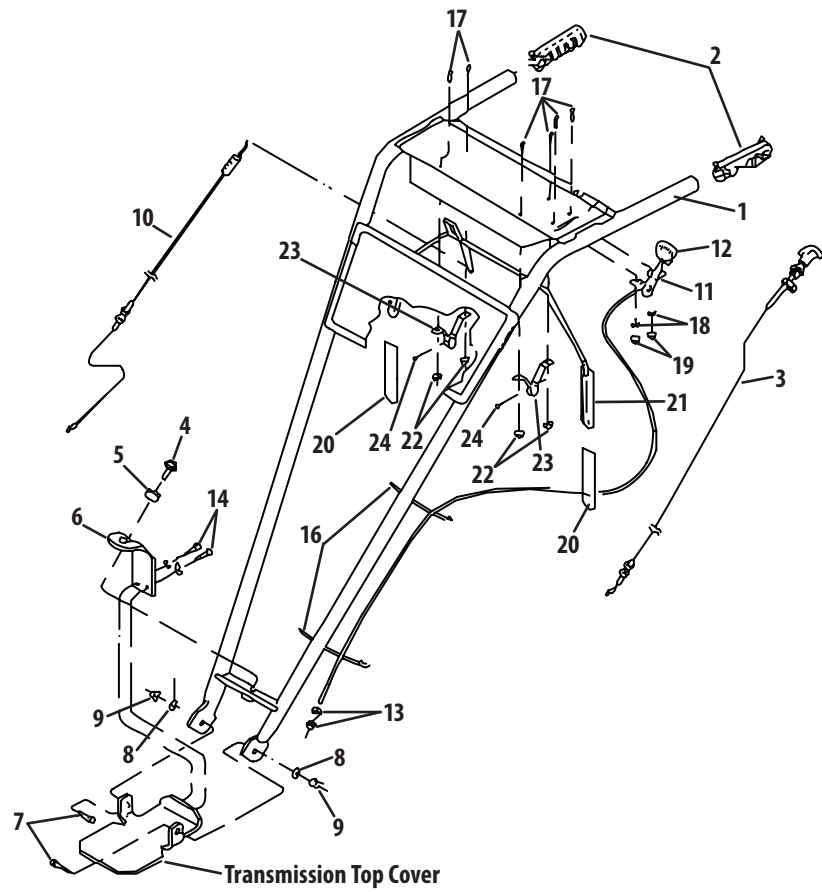
Ref.	Part Number	Description
21	936-0452	Washer, Bell, .396 x 1.140 x .095
22	736-3092	Washer, Flat, .265 x 1.0 x .030
23	753-06042A	Transmission Assembly
24	738-04425	Screw, Shoulder, 1/4-28 x .342 x .335
25	748-04087A	Forward Idler Pivot Spacer
26	750-04571	Spacer, Shoulder, .260 x .785 x .538
27	750-04907	Reverse Idler Pivot Spacer
28	1916657	V Belt, 4L x 25.375 LG
29	1916658	V Belt, 3L x 29.125 LG
30	756-04198A	Engine Pulley, 3L & 4L, Honda
31	756-04355	Transmission Pulley
32	756-0625	Cable Roller
33	786-04312	Forward Idler Bracket
34	786-04343	Cover Mounting Plate
35	786-04346	Reverse Idler Bracket
36	786-04357	Pulley Mounting Bracket
37	786-04419A	LH Mount Frame
38	786-04418A	RH Mount Frame
39	934-04232	Wheel, 13 x 5 x 6
*	934-04453	Wheel Assembly, 11 x 4-4

* 640 Series

Model Series 640 & 650

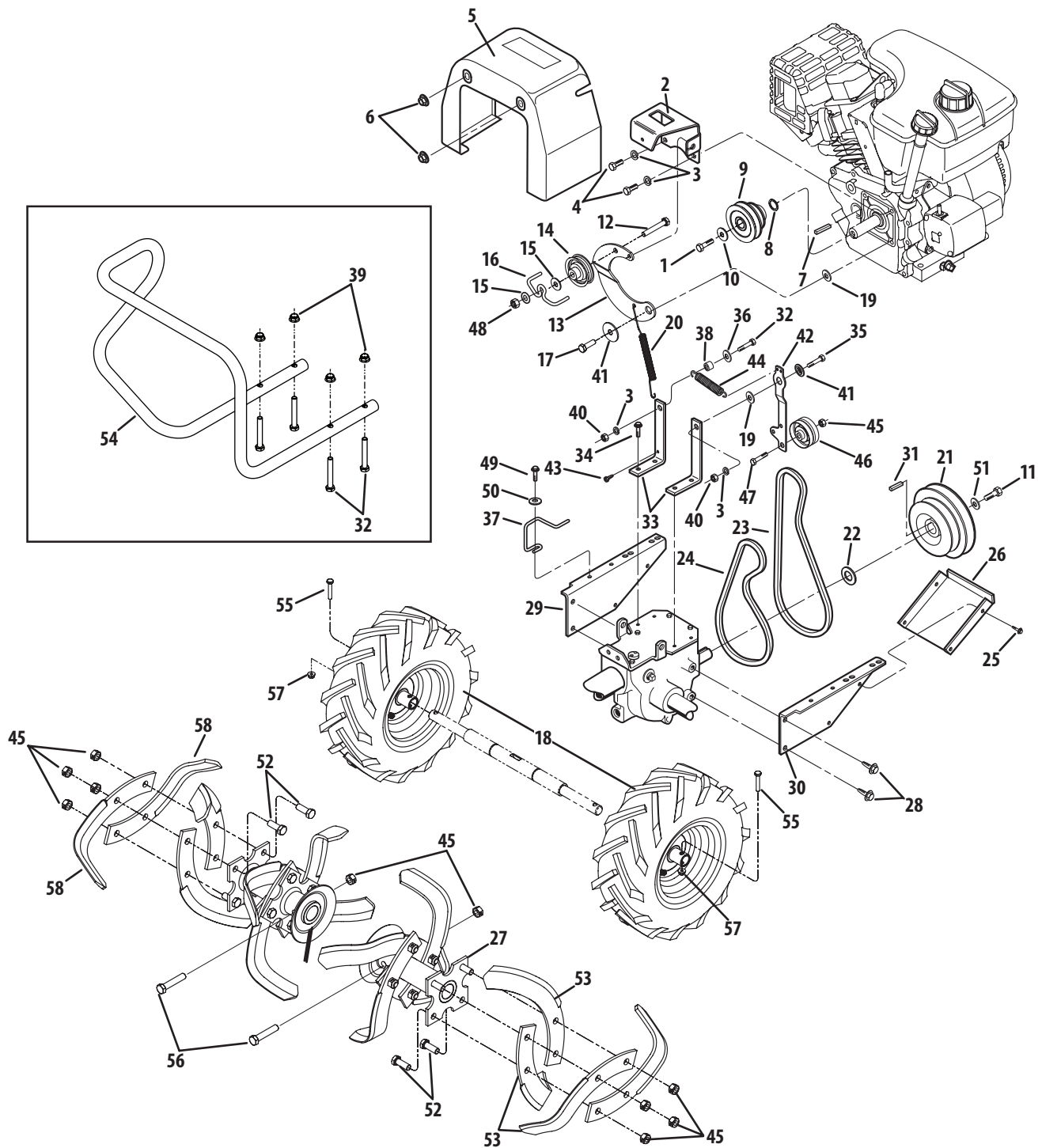


Ref.	Part Number	Description
1	919-04202B	Transmission Housing
2	710-3008	Hex Head Screw, 5/16-18 x .75
3	911-04844	Tiller Shaft
4	911-04854	Wheel Shaft
5	711-05035	CRT Drive Shaft
6	714-04059	Key, .25 x 1.062
7	716-0204	Retainer Ring
8	716-04102	Retainer Ring
9	917-04380	RH Gear Worm, 61T
10	917-04381	LH Gear Worm, 30T
11	918-04435	Bearing Cover
12	921-04030	Oil Seal, .750 SHF x 1.783 BORE
13	941-04298	Cone Bearing
14	921-04229	Gear Housing Gasket
15	721-04232	Oil Seal, 1.00 SHF x 2.00 BORE
16	721-04271	Rubber Oil Plug
17	736-04305	Washer, Flat, 1.50 x 1.75 x .062
18	736-04306	Washer, Flat, 1.50 x 1.75 x .005
19	736-04307	Washer, Flat, 1.50 x 1.75 x .03
20	736-04308	Washer, Flat, 1.50 x 1.75 x .010
21	736-0745	Washer, Flat, 1.010 x 1.56 x .060
22	941-04299	Cup Bearing
23	786-04366	Tiller Transmission Cover
24	786-04392	Tiller Transmission Cover
25	741-3114	Ball Bearing, 1 x 52 x 15 x 6205-1



Ref.	Part Number	Description
1.	1918811P	Handlebars
2.	720-0274	Grip
3.	1916784P	Reverse Clutch Control Cable
4.	710-04042	Hex Flange Screw, 3/8-16
5.	736-04445	Keyed Washer
6.	1900475010	Handlebar Hgt. Adjustment Bracket
7.	710-0514	Hex Hd. Screw, 3/8-16 x 1
8.	736-3050	Plain Washer, 3/8
9.	912-3000	Hex Locknut, 3/8-16
10.	946-04027	Forward Clutch Control Cable
11.	GW-9442P	Wheel Gear Control & Cable Ass.
12.	GW-9057	Wheel Gear Control Lever Knob
13.	1186211	Hex Nut, 5/16-24
14.	710-0623	Self-tapping Screw, 3/8-16 x 3/4
15.	710-0759	Self-tapping Screw, 5/16-18 x 5/8
16.	725-0157	Cable Ties
17.	1114748	Round Head Screw, #10-32 x 1/2
18.	936-0722	Lockwasher, #10
19.	1186208	Hex Nut, #10-32
20.	GW-9390	Grip
21.	1918840	Forward Clutch Bail
22.	GW-9853	Sems Nut
23.	GW-20806	Bail Support Bracket
24.	710-0599	Self-tapping Screw, 1/4-20 x 1/2
25.	686-04078	Tine Hood
26.	GW-2525	Depth Regulator
27.	710-04049	Hex Flange Screw, 5/16-18 x 5/8
28.	712-04064	Hex Locknut, 1/4-20
29.	710-0597	Hex Head Screw, 1/4-20 x 1
30.	732-04320	Spring
31.	750-04556	Spacer
32.	715-04034	Roll Pin (spiral), 1/4 x 1
33.	1900864	Depth Regulator
34.	GW-9120	Retaining Ring
35.	GW-9119	Depth Regulator Knob
36.	710-3005	Hex Head Screw, 3/8-16 x 1-1/4
37.	GW-1113-1099	Drag Bar Bushing
38.	712-04065	Hex Nut, 3/8-16
39.	1916185001	Drag Bar

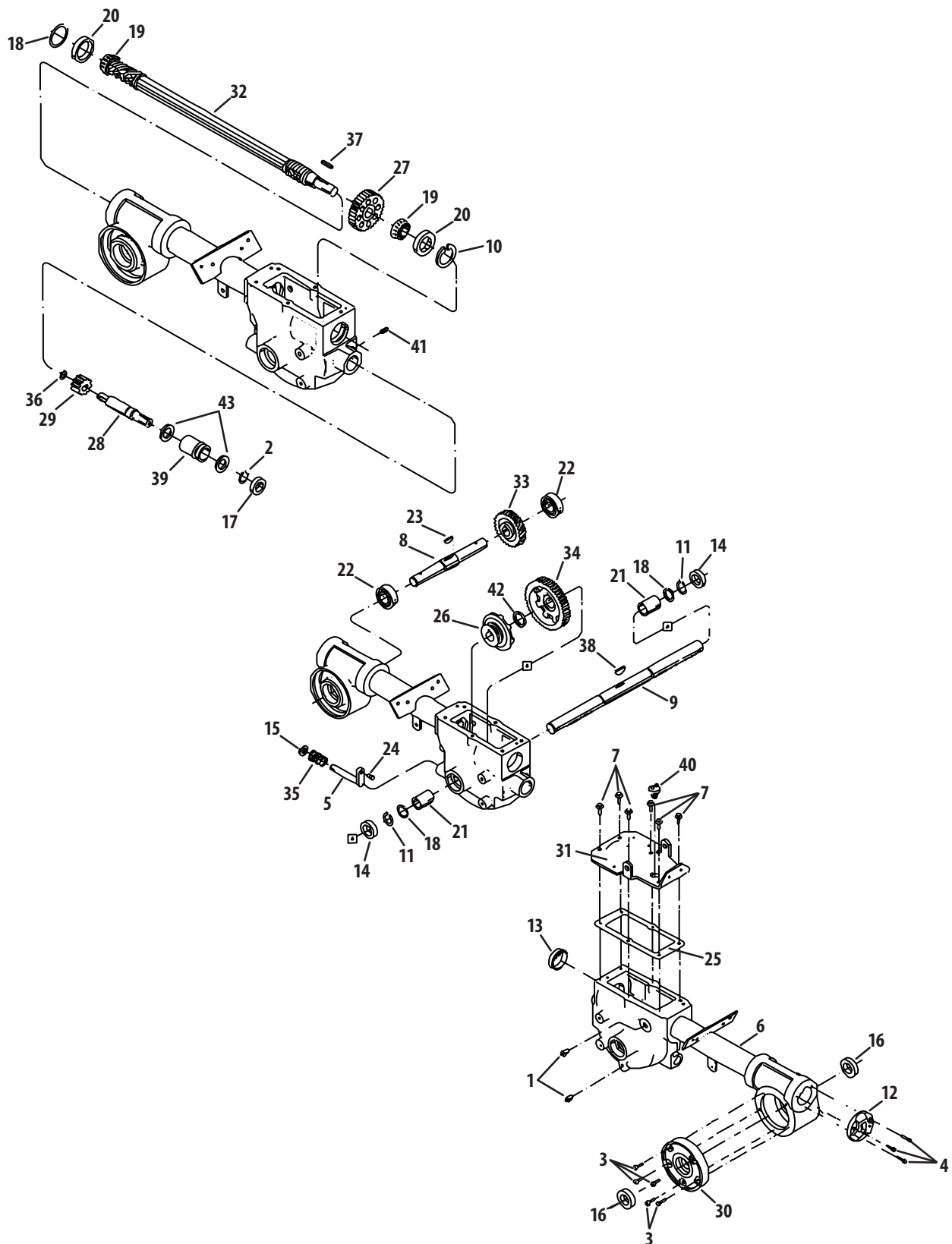
Model Series 660



Ref.	Part Number	Description
1.	710-0672	Screw, 5/16-24 x 1.25
2.	786-04070	Clutch Cable Bracket
3.	936-0119	Lockwasher, 5/16
4.	710-0107	Hex Head Screw, 5/16-24 x 1/2
5.	731-05290	Cover
6.	712-3004A	Flange Lock Nut, 5/16-18
7.	914-0133	Key, 3/16 x 1.5
8.	736-04187	Shim
9.	619-04130	Engine Pulley
10.	736-04193	Belle. Washer .827 x .331 x .098
11.	710-0672	Hex Head Screw, 5/16-24 x 1.25
12.	710-3103	Hex Head Screw, 5/16-18 x 2
13.	786-04276	Reverse Idler Arm
14.	1916535	Reverse Idler Pulley
15.	936-0159	Flat Washer, 5/16
16.	732-04081	Wire Formed Belt Guide
17.	710-0888	Hex Head Screw, 5/16-24 x 1
18.	934-04232	Wheel Assembly, 13 x 5 x 6
19.	736-3078	Flat Washer, 1-1/8
20.	732-04077	Reverse Return Spring
21.	619-04123	Transmission Pulley
22.	736-04079	Support Washer
23.	954-04095	Reverse Clutch Belt
24.	954-04094	Forward Clutch Belt
25.	1900396	Self-tapping Screw, #10-32 x 1/2
26.	786-04080	Belts/Pulleys Guard
27.	686-04067	Tine Holder
28.	710-04043	Hex Flange Screw, 5/16-18 x 3/4
29.	1916797001	Engine Support Bracket (left side)

Ref.	Part Number	Description
30.	786-04067	Engine Support Bracket (rt side)
31.	914-0133	Key, 3/16 x 1.50
32.	710-0395	Hex Head Screw, 5/16-18 x 2-1/4
33.	1918774001	Mounting Bar
34.	710-1260A	Hex Flange Screw, 5/16-18 x .75
35.	710-0805	Hex Head Screw, 5/16-18 x 1-1/2
36.	936-0275	Flat Washer, 5/16
37.	732-04082	Belt Guide
38.	GW-55088	Pivot Bushing
39.	712-04063	Hex Lock Nut, 5/16-18
40.	912-3010	Hex Nut, 5/16-18
41.	748-04087A	Shoulder Washer
42.	786-04275	Forward Tiller Direction Idler Arm
43.	1767754	Self-tapping Screw, #10-24
44.	732-04078	Spring
45.	912-3000	Hex Locknut, 5/16-18
46.	756-04170	Forward Idler Pulley
47.	710-0347	Screw, 3/8-16 x 1-3/4
48.	912-0158	Hex Lock Nut, 5/16-18
49.	1754128	Screw, 1/4-20 x 3/4
50.	936-0463	Flat Washer, 1/4
51.	736-04193	Belleville Washer, .827 x .331 x .098
52.	710-0514	Hex Head Screw, 3/8-16 x 1
53.	742-04223	Bolo Tine-single (Left)
54.	749-04193	Bumper
55.	710-05289	Hex Head Screw, 1/4-20 x 1.5
56.	710-3096	Hex Head Screw, 3/8-16 x 2
57.	712-04064	Flange Hex Locknut, 1/4-20
58.	742-04224	Bolo Tine-single (Right)

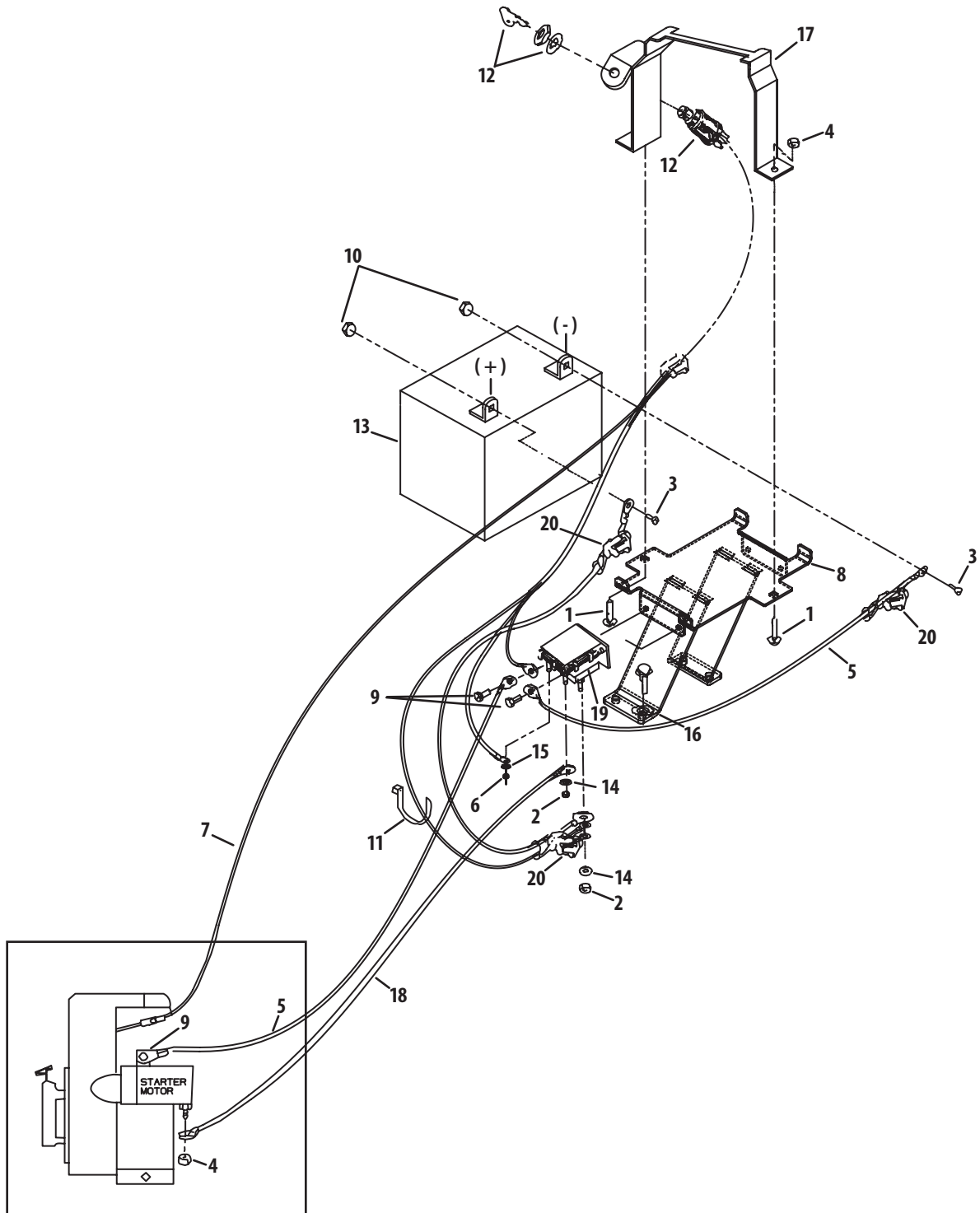
Model Series 660



Ref.	Part Number	Description
1.	1105620	Pipe Plug
2.	916-0101	Retaining Ring
3.	1915068	Hex Screw, ¼-20 x .625
4.	1915069	Self-Sealing Screw, ¼-20 x .875
5.	611-04002	Eccentric Shaft
6.	919-04010	Transmission Housing
7.	710-04043	Hex Flange Screw, ⅝-18 x .750
8.	GW-20896	Tiller Shaft
9.	911-04482	Wheel Shaft
10.	716-04102	Retaining Ring
11.	716-04104	Retaining Ring
12.	718-04406	Rear Bearing Cover
13.	721-04001	Oil Seal, 1.79 x .25
14.	921-04031	Oil Seal, 1.0 x 1.499
15.	921-04034	Oil Seal, .625 x 1.0
16.	921-04035	Oil Seal, .984 x 1.75
17.	921-04044	Oil Seal, .750 x 1.25
18.	736-04258	Washer, 1.375 x 1.015 x .01*
—	736-04259	Washer, 1.375 x 1.015 x .015*
—	736-04260	Washer, 1.375 x 1.015 x .03*
—	736-04305	Washer, 1.75 x 1.5 x .062*
—	736-04306	Washer, 1.75 x 1.5 x .005*
—	736-04307	Washer, 1.75 x 1.5 x .03*
—	736-04308	Washer, 1.75 x 1.5 x .01*
—	736-04309	Washer, 1.375 x 1.015 x .062*

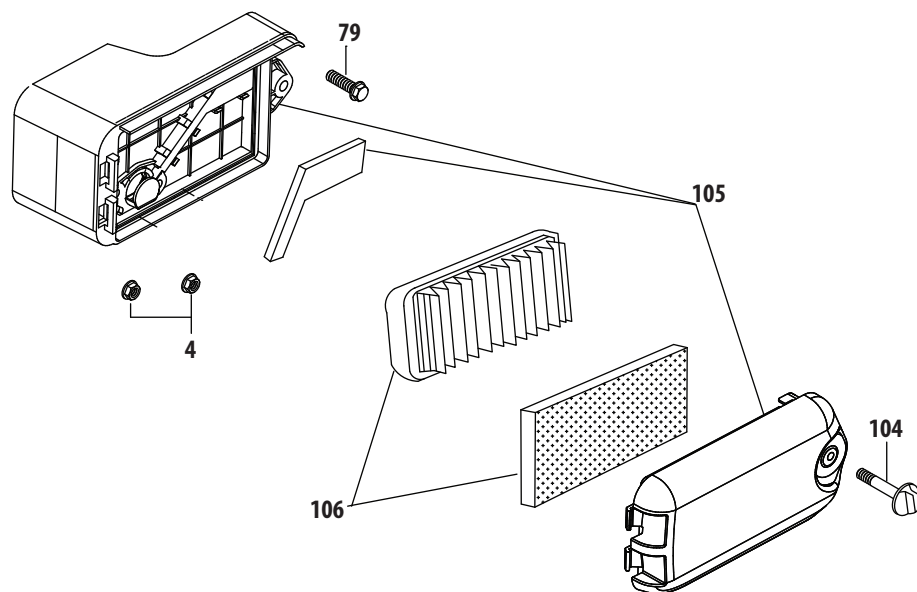
Ref.	Part Number	Description
19.	941-04298	Cone Bearing
20.	941-04299	Cup Bearing
21.	941-04300	Bushing, 1.25 x 1 x .005 x 1.5
22.	941-3037	Ball Bearing
23.	GW-1104	Woodruff Key, .25 x 1.12
24.	738-04448	Pin, .375 x .72
25.	GW-20694	Transmission Cover Gasket
26.	GW-20712	Wheel Drive Clutch
27.	717-04690	Spur Gear
28.	GW-20791	Pinion Shaft
29.	717-04689	Pinion Gear
30.	GW-20873	Housing Cover
31.	1916193001	Transmission Cover
32.	GW-20912	Drive Shaft
33.	GW-20913	Worm Gear
34.	GW-20914	Wheel Drive Gear
35.	GW-9055	Spring, .850 x .875
36.	GW-9093	Bowed Ring
37.	GW-9301099	Key, .188 x 1
38.	GW-9373	Hi-Pro Key, .25 x 1.312
39.	GW-9428	Bushing, 1.24 x .75 x .18
40.	GW-9467	Oil Plug
41.	GW-9677	Hex Screw, ⅝-18 x .38
42.	GW-9935	Washer, 1.46 x 1.016 x .062
43.	GW-9953	Washer, 1.022 x .75 x .059

* — The flat washers listed are used as required to obtain .005 to .030 in allowable end play on the wheel shaft and tine shaft and a .005 to .015 in end play on the drive shaft.



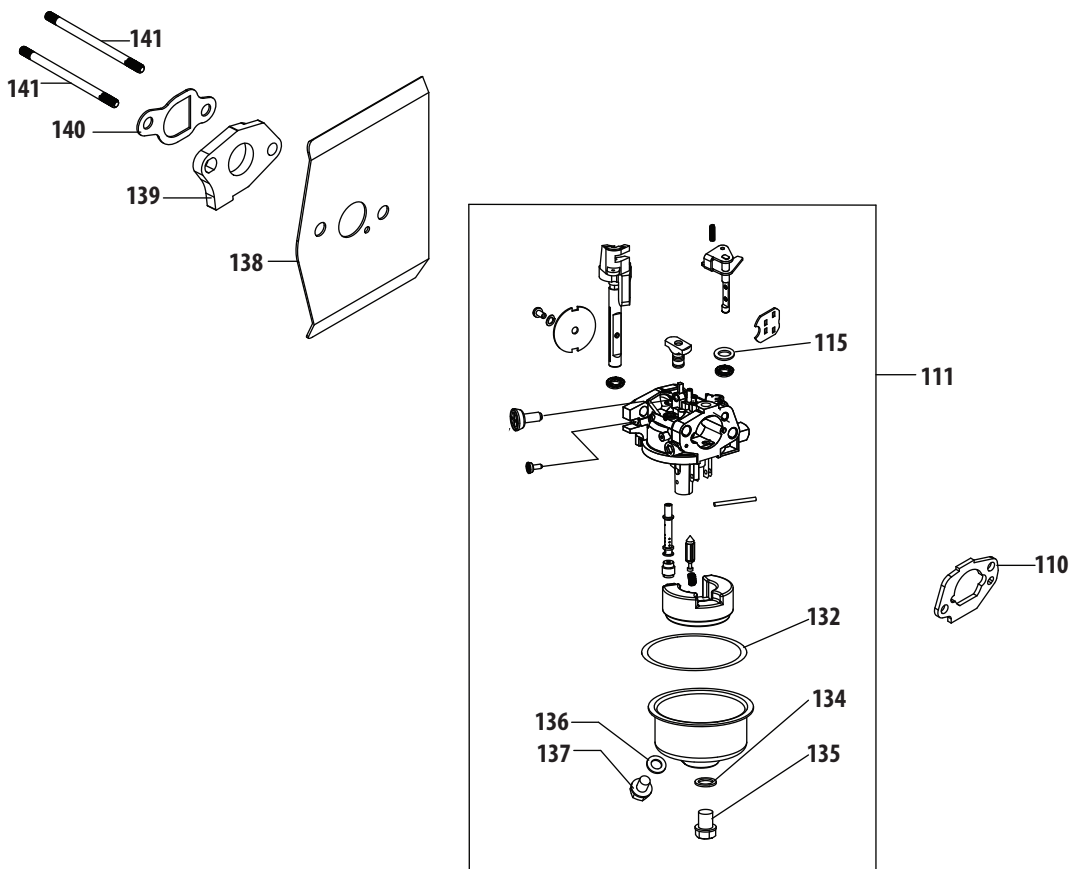
Ref.	Part Number	Description
1.	1186073	Carriage Screw ¼-20 x 1.25
2.	1186211	Hex Nut ⅝-24
3.	1186309	Flange Screw ¼-20 x .625
4.	1186389	Hex Locknut ¼-20
5.	1901202	Cable (Ground Wire)
6.	GW-9853	Hexlock Washer Nut, 10-32
7.	725-04346	Electric Start Harness
8.	686-04024	Battery Bracket Assembly
9.	710-0599	Self-tapping Screw ¼-20 x .5
10.	712-3006	Hex Nut ¼-20
11.	725-0157	Cable Tie
12.	925-0267B	Ignition Switch
13.	925-1707D	Battery 270 CCA
14.	936-0119	Lock Washer 5/16
15.	936-0147	Lock Washer #10
16.	736-0607	External Lock Washer ⅝
17.	1900873	Keyswitch Clamp
18.	GW-96510	Cable (Solenoid to Starter Motor)
19.	GW-96514099	Solenoid (Incl. Nuts and Washers for Cables and Wires)
20.	GW-97020	Insulating Boot

1P65TG Air Cleaner



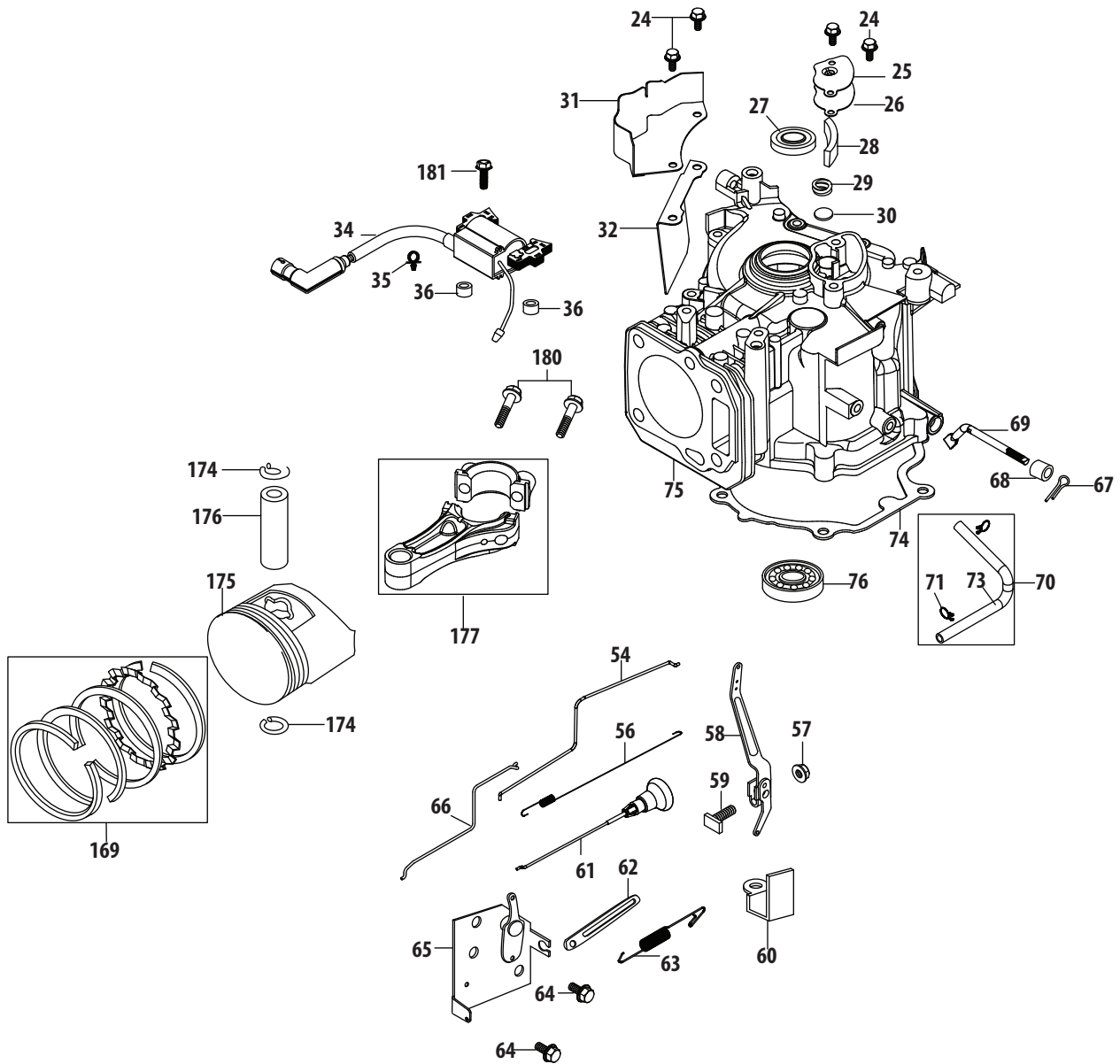
Ref.	Part Number	Description
4	712-04212	Nut M6 X 10 Mm
79	710-04980	Bolt M6×35
104	951-10297	Air Filter Cover Thumb Screw
105	951-10405	Air Cleaner Housing Assy
106	951-10298	Air Cleaner Kit

1P65TG Carburetor Assembly



Ref.	Part Number	Description
110	951-11525	Carburetor Gasket Plate
111	951-12446	Carburetor Assembly
115	736-04556	Choke Shaft Washer
132	951-11589	Fuel Bowl O-Ring
134	951-11348	Fuel Bowl Gasket
135	710-04945	Fuel Bowl Mounting Bolt
136	951-11349	Fuel Drain Plug Gasket
137	710-04938	Fuel Drain Plug
138	951-12451	Carburetor Gasket
139	951-11738	Carburetor Insulator
140	951-11528	Carburetor Insulator Gasket
141	710-05093	Carb Stud M6X92
	951-12178A	Carburetor Kit - Major (Incl.116,117,122,123,126-132,134,136)

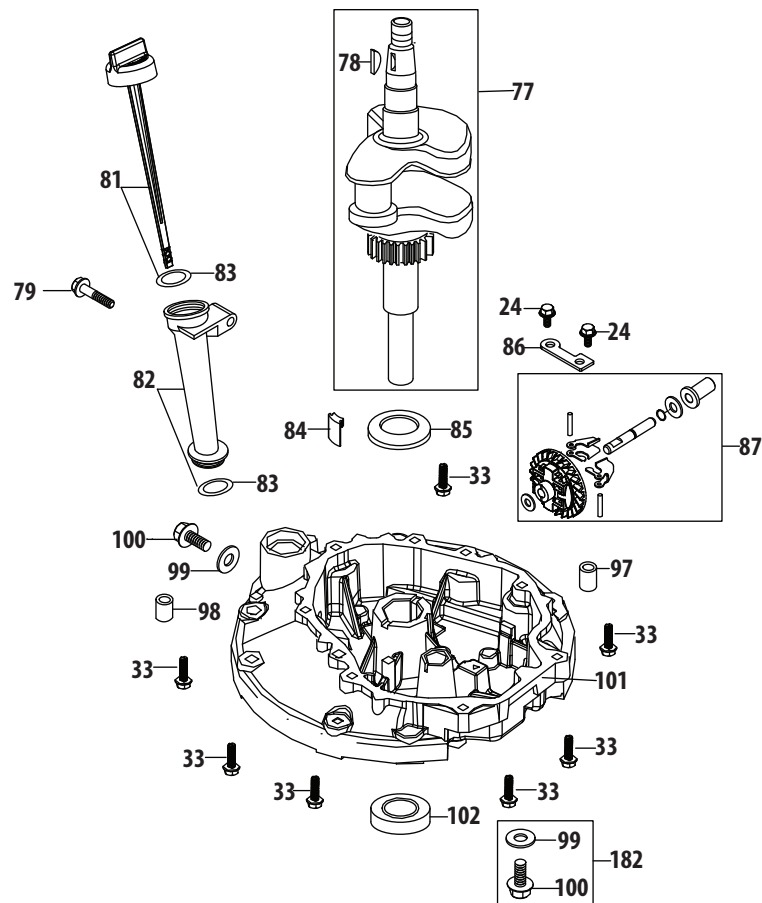
1P65TG Crankcase



Ref.	Part Number	Description
24	710-04916	Bolt M6×14
25	951-11612	Breather Cover Plate
26	951-11613	Breather Gasket
27	951-11596	Upper Crankshaft Seal
28	951-11730	Breather Screen
29	732-04718	Breather Spring
30	951-11614	Breather Valve
31	951-11673	Engine Brake Cover Plate
32	951-11602	Label Bracket
34	951-10620	Ignition Coil Assembly
35	951-11674	Plastic Clamp Ø5.8×9
36	951-11675	Ignition Coil Spacer
54	951-11677	Throttle Linkage
55	951-11522	Throttle Linkage Spring
57	712-04212	Governor Arm Nut M6
58	951-11678	Governor Arm
59	710-04908	Governor Arm Bolt
60	951-11679	Governor Arm Guard
61	951-10619	Choke Control
62	951-11680	Flexible Clamp
63	951-10387	Governor Spring
64	710-04915	Bolt M6×12
65	951-11681	Component Bracket
66	951-11694	Choke Linkage
67	714-04074	Governor Arm Cotter Pin

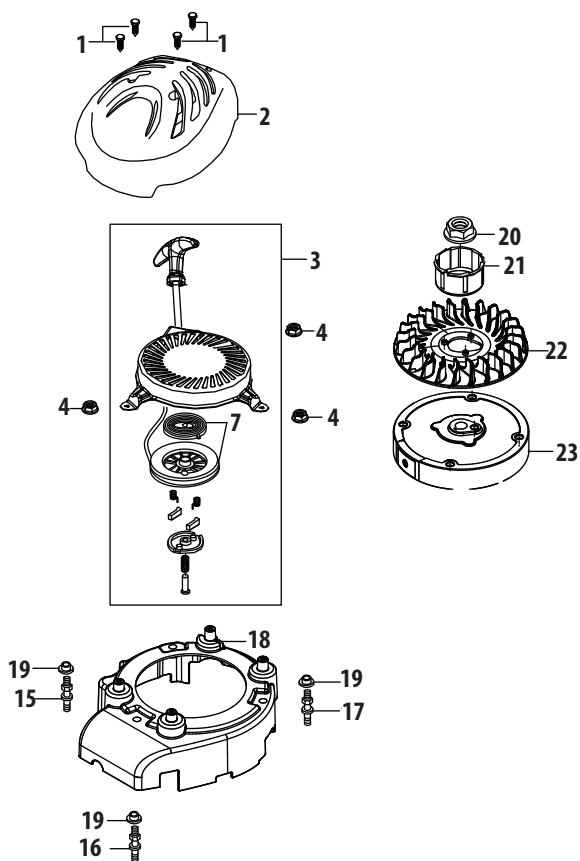
Ref.	Part Number	Description
68	951-11574	Governor Seal
69	951-11608	Governor Arm Shaft
70	951-11520	Breather Hose Assembly
71	726-04101	Breather Hose Clamp
73	951-11520	Breather Hose
74	951-11732	Crankcase Cover Gasket
75	951-12447	Short Block Assembly (Incl.24-30,33,67-69,74-78,85-87, 97-102,110,139,140,156,159,164, 165,167-169,174-177)
76	951-11369	Main Bearing
169	951-11688	Piston Ring Set
174	951-11603	Piston Pin Snap Ring
175	951-11605	Piston
176	951-11604	Piston Pin
177	951-11744	Connecting Rod Assembly
180	710-05162	Connecting Rod Bolt
181	710-04969	Bolt M6×30
	952Z1P65TG	Complete Engine
	951-12449	Gasket - External 27,83,99,138-140,156,159
	951-12448	Gasket Kit - Complete (Incl. 26,27,68,74,83,99,102, 138-140,156,159,164)

1P65TG Crankshaft & Crankcase Cover



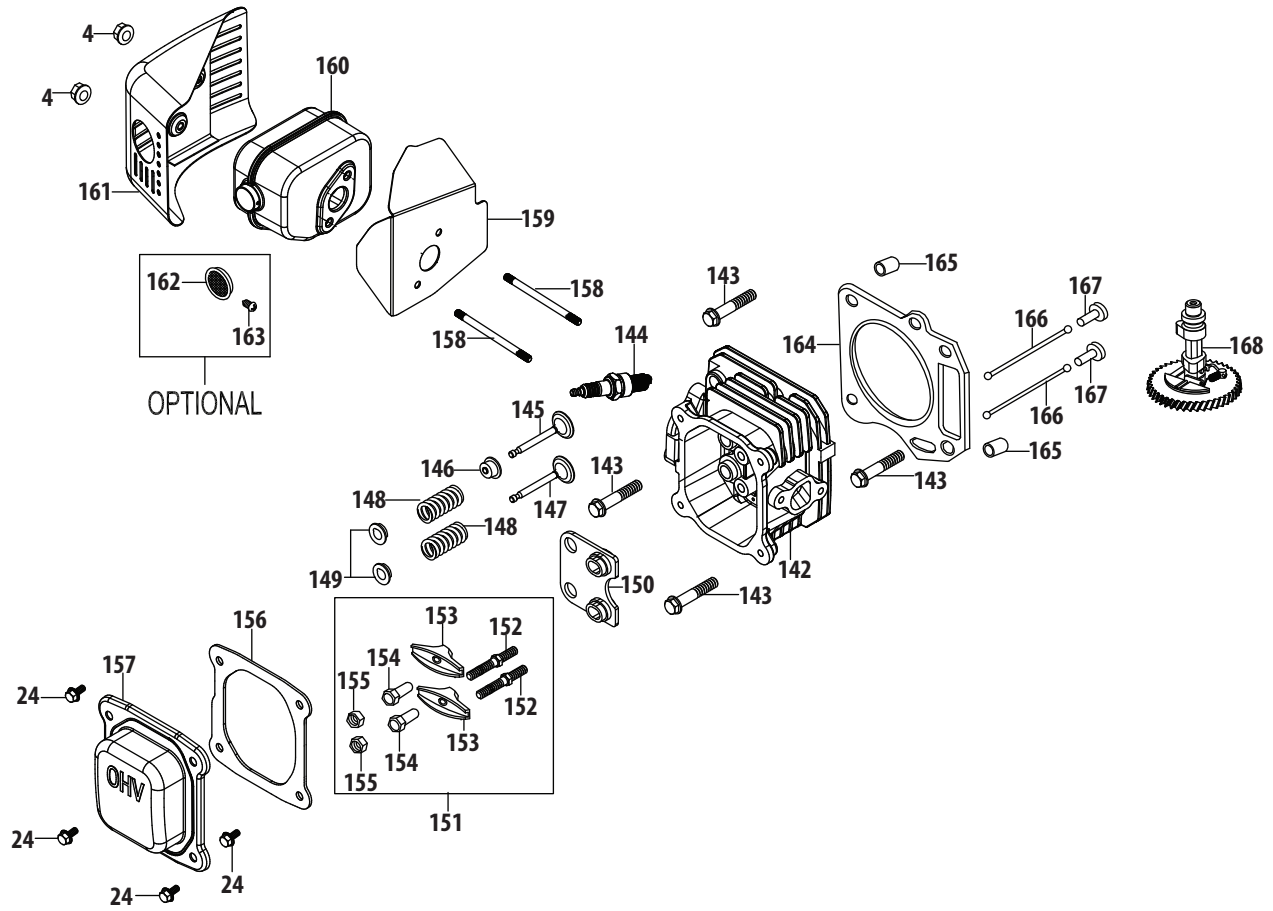
Ref.	Part Number	Description
24	710-04916	Bolt M6×14
33	710-04920	Bolt M6X28
77	951-11682	Crankshaft Assembly
78	951-10307	Woodruff Key
79	710-04980	Dipstick/Af Bolt M6×35
81	951-11795	Dipstick
82	951-11765	Oil Fill Tube
83	951-11547	Dipstick / Oil Fill Tube O-Ring
84	951-11733	Oil Return Seal
85	736-04491	Crankshaft Thrust Washer

Ref.	Part Number	Description
86	951-11609	Governor Gear Mounting Plate
87	951-11549	Governor Gear/Shaft Assembly
97	715-04092	Crankcase Cover Dowel 7X14
98	715-04089	Crankcase Cover Dowel 9X14
99	736-04440	Oil Drain Plug Washer
100	710-04906	Oil Drain Plug
101	951-11793	Crankcase Cover
102	951-11545	Lower Crankshaft Seal
182	951-10370	Oil Drain Plug & Washer Assy



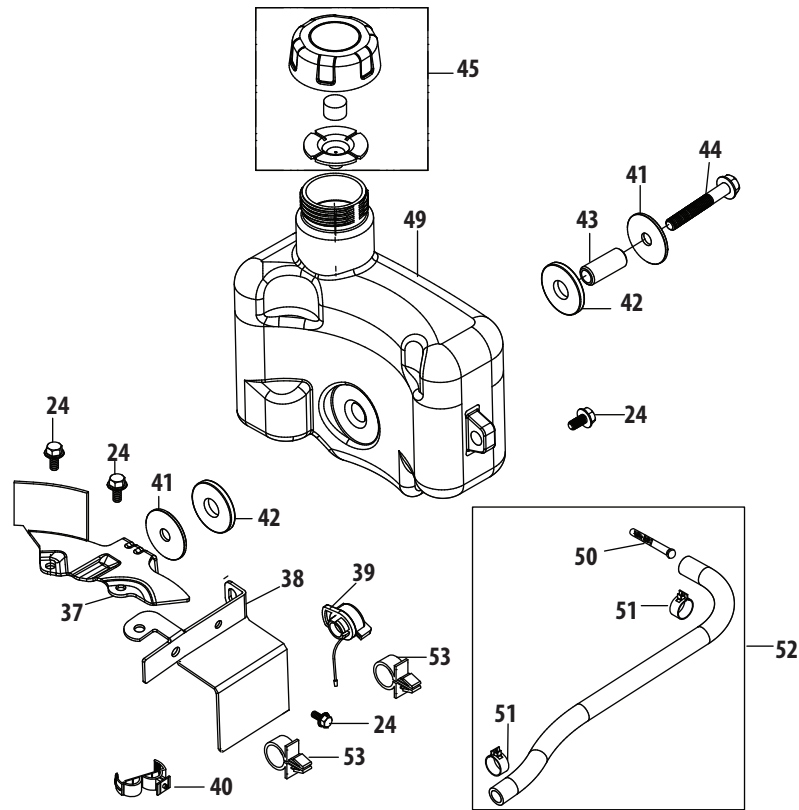
Ref.	Part Number	Description
1	710-04744	Self-Tapping Bolt,#12-16 X 1"
2		See Unit Breakdown for Shroud
3	951-11720	Recoil Starter Assembly
4	712-04212	Nut M6 X 10 Mm
7	951-11721	Recoil Pulley & Spring Assy
15	751-11722	Starter/Shroud Stud Left/Black
16	951-11723	Starter/Shroud Stud Front/Unmark
17	951-11724	Starter/Shroud Stud Right/White
18	951-10336	Inner Shroud
19	750-05320	Engine Shroud Spacer
20	712-04287	Flywheel Nut M14
21	951-12161	Starter Cup
22	951-10909	Cooling Fan
23	951-11042	Flywheel

1P65TG Cylinder Head



Ref.	Part Number	Description
4	712-04212	Nut M6 X 10 Mm
24	710-04916	Bolt M6x14
142	951-11746	Cylinder Head (Incl.139,140,142,145-150, 152-156,159,164)
143	710-04982	Head Bolt M8x54
144	951-10292	Spark Plug/F6Rtc
145	951-10313	Intake Valve
146	951-11818	Intake Valve Seal
147	951-10313	Exhaust Valve
148	951-12004	Valve Spring
149	951-11977	Valve Spring Retainer
150	951-11687	Push Rod Guide
151	951-11606	Rocker Arm Assembly
152	710-04902	Rocker Arm Stud
153	951-12001	Rocker Arm
154	751-11123	Fulcrum Nut
155	751-11124	Jam Nut
156	951-11551	Valve Cover Gasket
157	951-11548	Valve Cover
158	710-05094	Muffler Stud M6X95
158	951-10342	Muffler Stud Assy
159	951-11739	Muffler Gasket
160	951-10295	Muffler Assembly
161	951-11791	Muffler Shield
162	951-10351	Spark Arrestor
163	710-04983	Spark Arrestor Screw
164	951-11555	Cylinder Head Gasket
165	715-04090	Cylinder Head Dowel 10X16
166	951-10314	Push Rod Kit
167	951-11607	Tappet
168	951-11741	Camshaft Assembly
	951-10846A	Cylinder Head Svc Kit (Incl.143,146,156,164)
	951-12449	Gasket - External (Incl.27,83,99,138-140,156,159)
	951-12448	Gasket Kit - Complete (Incl.26,27,68,74,83,99,102, 138-140,156,159,164)

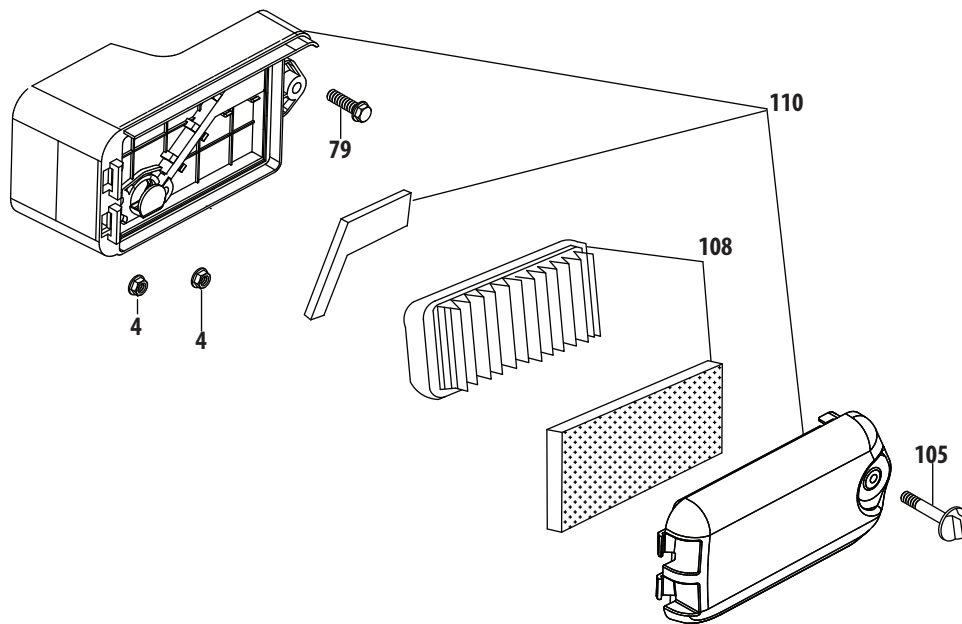
1P65TG Fuel Tank & Mounting



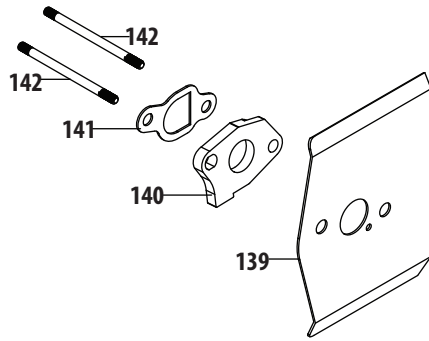
Ref.	Part Number	Description
24	710-04916	Bolt M6×14
37	951-11542	Fuel Tank Bottom Bracket
38	951-12450	Fuel Tank / Console Bracket
39	951-10622	Ignition Switch
40	951-11676	Clamp
41	736-04456	Fuel Tank Washer
42	951-10335	Rubber Bushing
43	750-05322	Fuel Tank Bushing
44	710-04922	Fuel Tank Bolt M8X50
45	951-10300	Fuel Cap Assembly
49	951-10337	Fuel Tank Assembly
50	951-10358A	Fuel Filter
51	951-11700	Fuel Hose Clamp
52	951-10363	Fuel Line Kit
53	723-04071	Plastic Support Clamp

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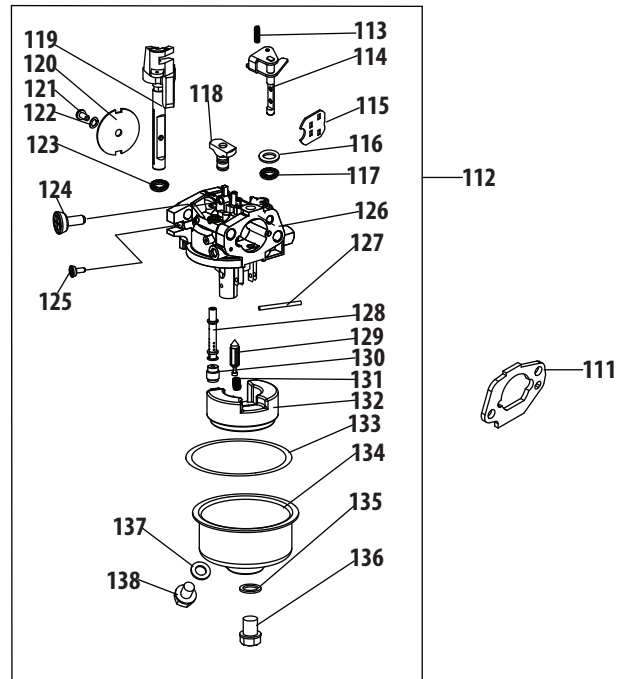
1P65TGA Air Cleaner



Ref.	Part Number	Description
4	712-04212	Nut M6X10Mm
79	710-04980	Bolt M6X35
105	951-10297	Air Filter Cover Thumb Screw
108	951-10298	Air Cleaner Kit
110	951-10405	Air Cleaner Housing Ass'Y



184 - Carburetor Kit



Ref.	Part Number	Description
111	951-11525	Carburetor Gasket Plate
112	951-12446	Carburetor Assembly
113	n/a	Detent Spring
114	n/a	Choke Shaft
115	n/a	Choke Plate
116	736-04556	Choke Shaft Washer
117	n/a	Choke Shaft Fiber O-Ring
118	n/a	Idle Jet Assembly
119	n/a	Throttle Shaft
120	n/a	Throttle Plate
121	n/a	Screw M3X6 Throttle Plate
122	n/a	Throttle Plate Lock Washer
123	n/a	Throttle Shaft Fiber O-Ring
124	n/a	Idle Speed Adjusting Screw
125	n/a	Idle Mixture Screw
126	n/a	Carburetor Body
127	n/a	Float Pin
128	n/a	Emulsion Tube

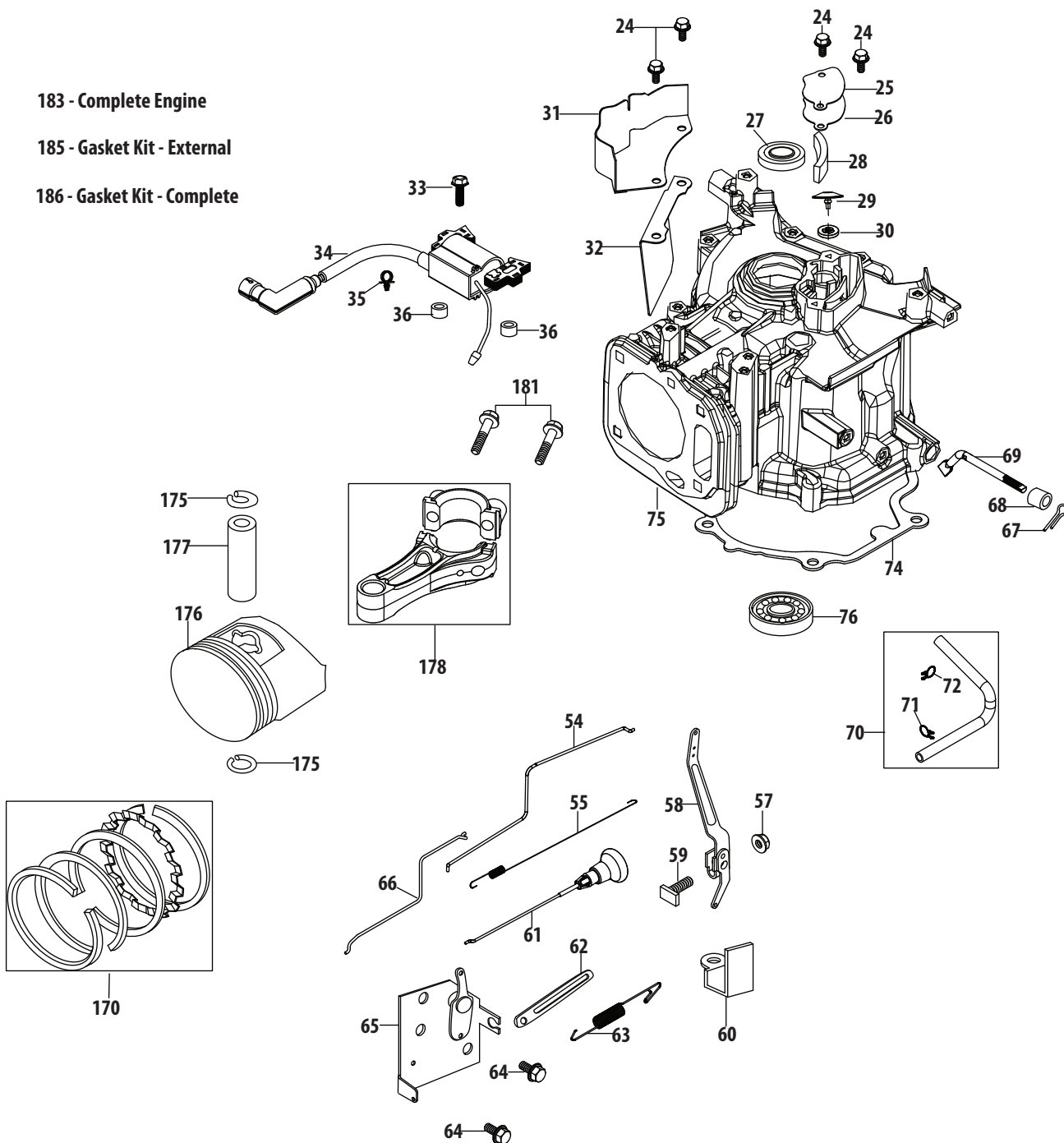
Ref.	Part Number	Description
129	n/a	Needle Valve
130	n/a	Main Jet
131	n/a	Needle Valve Spring
132	n/a	Float
133	951-11589	Fuel Bowl O-Ring
134	n/a	Fuel Bowl
135	951-11348	Fuel Bowl Gasket
136	710-04945	Fuel Bowl Mounting Bolt
137	951-11349	Fuel Drain Plug Gasket
138	710-04938	Fuel Drain Plug
139	951-12451	Carburetor Gasket
140	951-11738	Carburetor Insulator
141	951-11528	Carburetor Insulator Gasket
142	710-05093	Carb Stud M6X92
184	951-12178A	Carburetor Kit - Major (Incl.118,123,124,127-133, 135,137)

1P65TGA Crankcase

183 - Complete Engine

185 - Gasket Kit - External

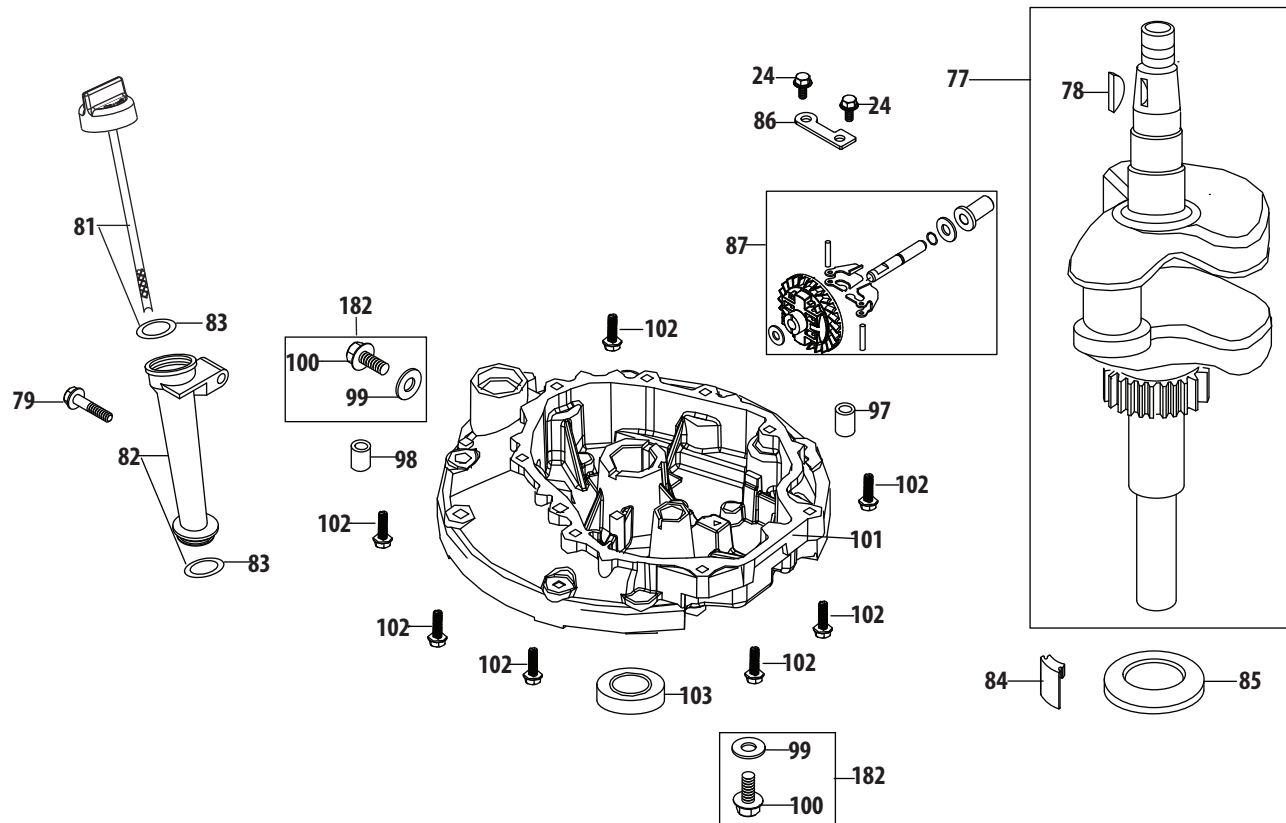
186 - Gasket Kit - Complete



Ref.	Part Number	Description
24	710-04916	Bolt M6X14 Multi-Purpose
25	951-12684	Breather Cover Plate
26	951-11613	Breather Gasket
27	951-11596	Upper Crankshaft Seal
28	951-11730	Breather Screen
29	951-12685	Breather Valve
30	951-12686	Breather Valve Base
31	951-11673	Engine Brake Cover Plate
32	951-11602	Label Bracket
33	710-04969	Bolt M6X30
34	951-10620	Ignition Coil Assembly
35	951-11674	Ignition Wire Clip
36	951-11675	Ignition Coil Spacer
54	951-11677	Throttle Linkage
55	951-11522	Throttle Linkage Spring
57	712-04212	Governor Arm Nut M6
58	951-11678	Governor Arm
59	710-04908	Governor Arm Bolt
60	951-11679	Governor Arm Guard
61	951-10619	Choke Control
62	951-11680	Flexible Clamp
63	951-10387	Governor Spring
64	710-04915	Bolt M6X12
65	951-11681	Component Bracket
66	951-11694	Choke Linkage

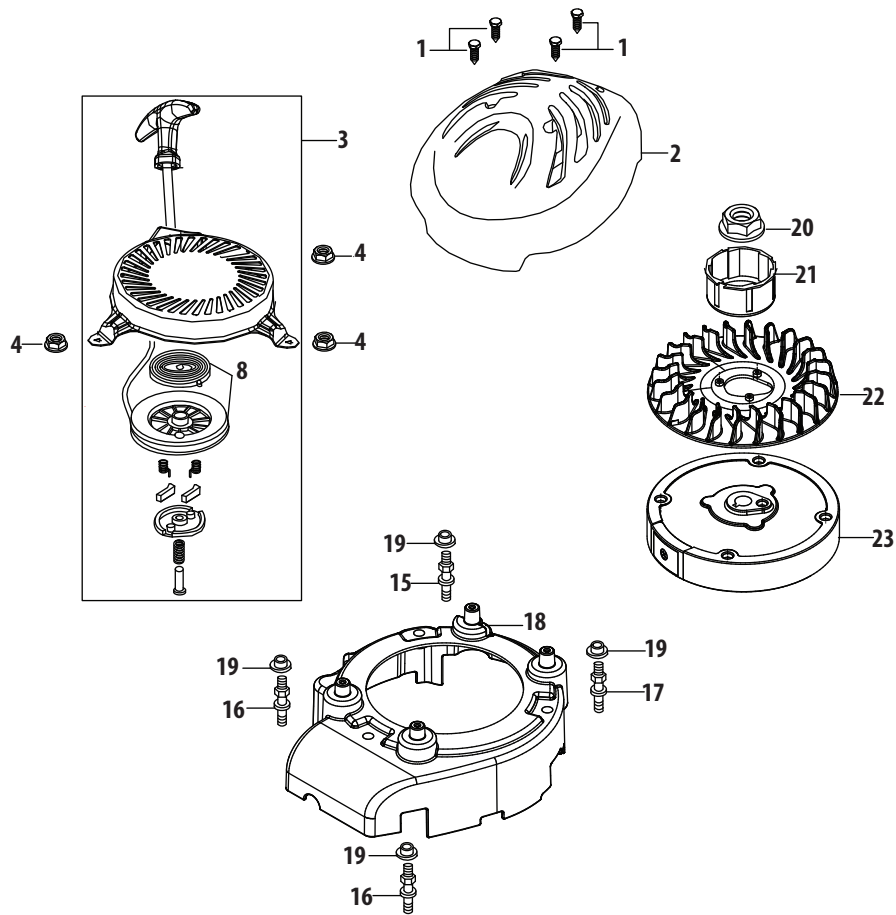
Ref.	Part Number	Description
67	714-04074	Governor Arm Shaft Cotter Pin
68	951-11574	Governor Seal
69	951-11608	Governor Arm Shaft
70	951-11520	Breather Hose Assembly
71	726-04101	Breather Hose Clamp
72	726-04128	Breather Hose Clamp
74	951-11732	Crankcase Cover Gasket
75	951-12692	Short Block (Incl.24-30,67-69,74-78,85-87, 97-103,111,140,141,157,160, 165,166,168-170,175-178)
76	951-11369	Main Bearing
170	951-11688	Piston Ring Set
175	951-11603	Piston Pin Snap Ring
176	951-11605	Piston
177	951-11604	Piston Pin
178	951-11744	Connecting Rod Assembly
181	710-05162	Connecting Rod Bolt
183	952Z1P65TGA	Complete Engine
185	951-12449	Gasket Kit - External (Incl.26,83,99,139-141,157,160)
186	951-12448	Gasket Kit - Complete (Incl.26,27,68,74,83,99,103, 139-141,157,160,165)

1P65TGA Crankshaft & Crankcase Cover



Ref.	Part Number	Description
24	710-04916	Bolt M6X14
77	951-11682	Crankshaft Assembly
78	951-10307	Woodruff Key
79	710-04980	Bolt M6X35
81	951-12696	Dipstick Assembly
82	951-11765	Oil Fill Tube
83	951-11547	Dipstick / Oil Fill Tube O-Ring
84	951-11733	Oil Return Seal
85	736-04491	Crankshaft Thrust Washer
86	951-11609	Governor Gear Mounting Plate

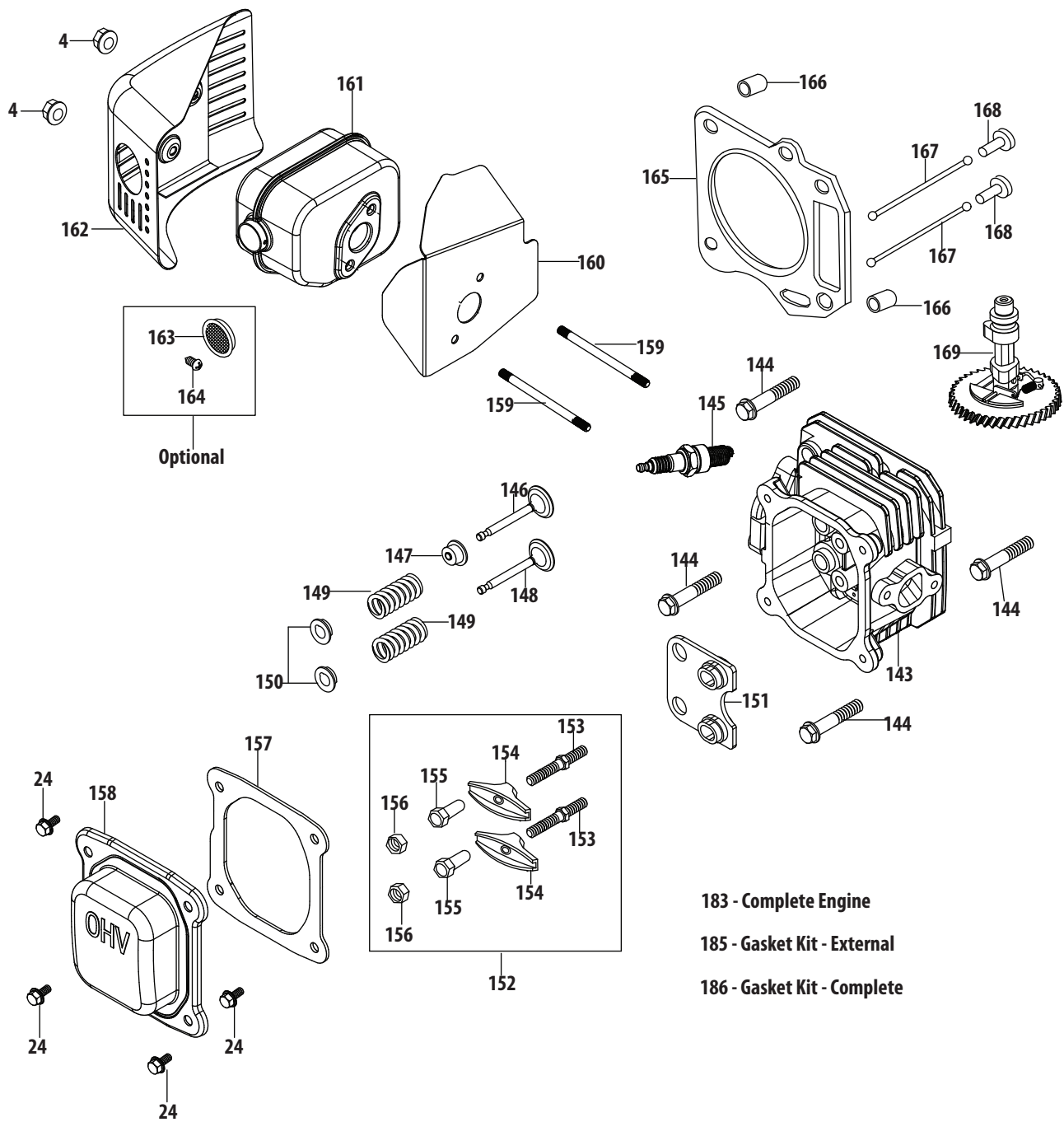
Ref.	Part Number	Description
87	951-11549	Governor Gear/Shaft Assembly
97	715-04092	Crankcase Cover Dowel Pin 7x14
98	715-04089	Crankcase Cover Dowel Pin 9x14
99	736-04440	Oil Drain Plug Washer
100	710-04906	Oil Drain Plug
101	951-11793	Crankcase Cover
102	710-04920	Bolt M6X28 P65 Crankcase
103	951-11545	Lower Crankshaft Seal
182	951-10370	Oil Drain Plug & Washer Assy



Ref.	Part Number	Description
1	710-04744	Screw, Hilo #12-16 X 1.00"
2		Outer Shroud (See Unit Breakdown)
3	951-12683	Recoil Starter Assembly
4	712-04212	Nut M6X10Mm Starter/Carb/Muff
8	951-11721	Starter Pulley
15	751-11722	Shroud Stud Left/Black
16	951-11723	Shroud Stud Front/Unmarked

Ref.	Part Number	Description
17	951-11724	Shroud Stud Right/White
18	951-10336	Inner Shroud
19	750-05320	Engine Shroud Spacer
20	712-04287	Flywheel Nut M14
21	951-12161	Starter Cup
22	951-10909	Cooling Fan
23	951-11042	Flywheel

1P65TGA Cylinder Head

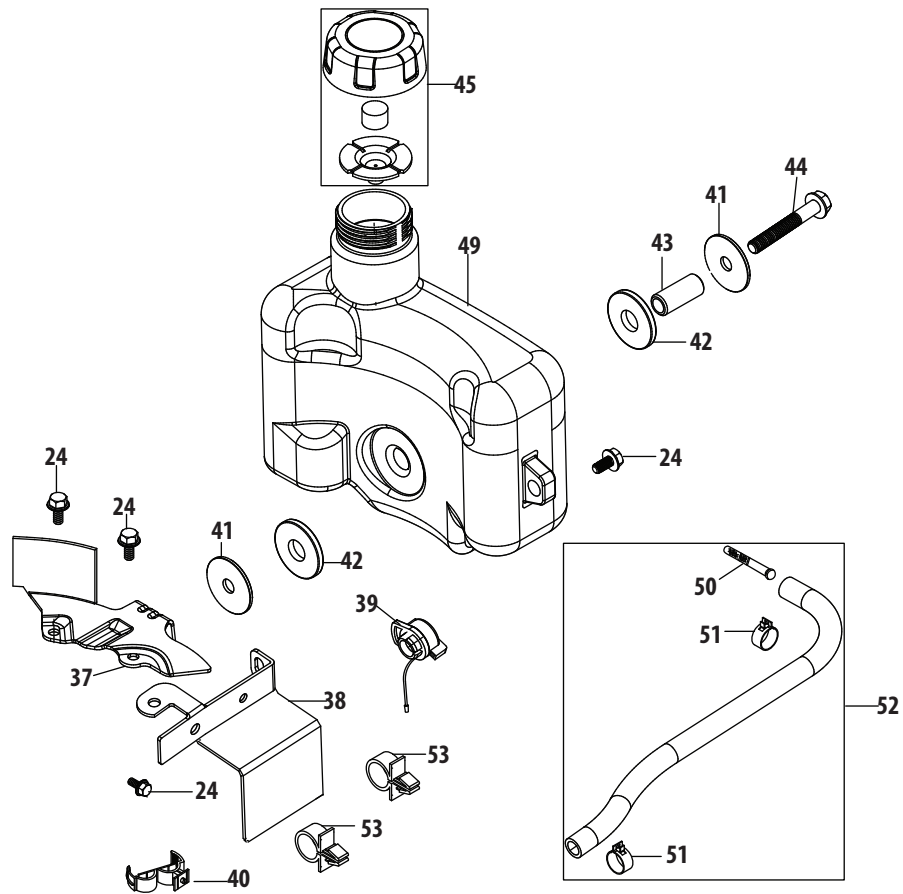


1P65TGA Cylinder Head

Ref.	Part Number	Description
4	712-04212	Nut M6X10Mm Starter/Carb/Muff
24	710-04916	Bolt M6X14 Multi-Purpose
143	951-10846A	Cylinder Head Svc Kit (Incl.114,147,156,165)
	951-11746	Cylinder Head (Incl.140,141,143,145-150, 152-156,160,165)
144	710-04982	Bolt M8X54 Cylinder Head
145	951-10292	Spark Plug/F6Rtc
146	951-10313	Valve Kit
147	951-11818	Intake Valve Seal
148	951-10313	Valve Kit
149	951-12004	Valve Spring
150	951-11977	Valve Spring Retainer
151	951-11687	Push Rod Guide
152	951-11606	Rocker Arm Assembly
153	710-04902	Rocker Arm Stud
154	951-12001	Rocker Arm
155	751-11123	Fulcrum Nut
156	751-11124	Jam Nut

Ref.	Part Number	Description
157	951-11551	Valve Cover Gasket
158	951-11548	Valve Cover
159	710-05094	Muffler Stud M6X95
159	951-10342	Muffler Stud Ass'Y
160	951-11739	Muffler Gasket
161	951-10403	Muffler Assembly
162	951-11791	Muffler Shield
163	951-10351	Spark Arrestor
164	710-04983	Spark Arrestor Screw
165	951-11555	Cylinder Head Gasket
166	715-04090	Cylinder Head Dowel Pin 10x16
167	951-10314	Push Rod Kit
168	951-11607	Tappet
169	951-11741	Camshaft Assembly
183	952Z1P65TGA	Complete Engine
185	951-12449	Gasket Kit - External (Incl.26,83,99,139-141,157,160)
186	951-12448	Gasket Kit - Complete (Incl.26,27,68,74,83,99,103, 139-141,157,160,165)

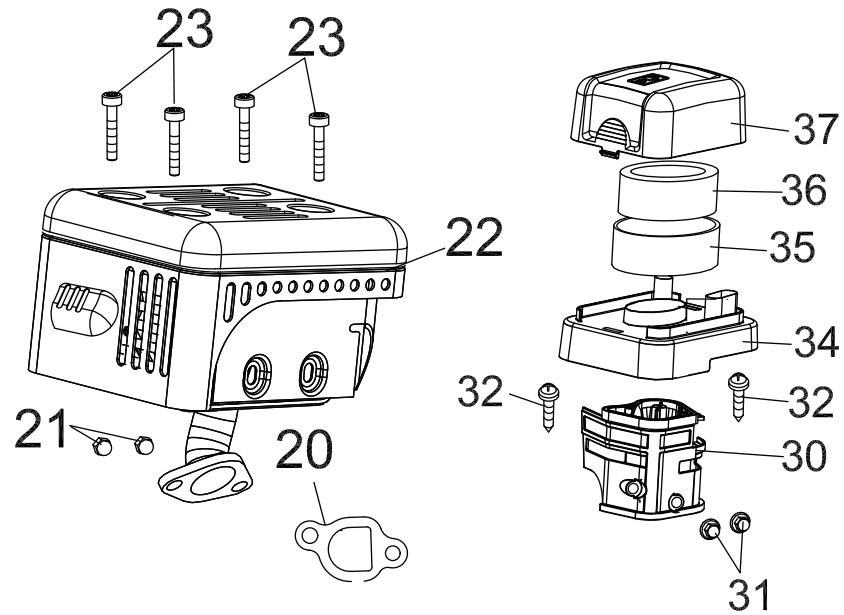
1P65TGA Fuel Tank



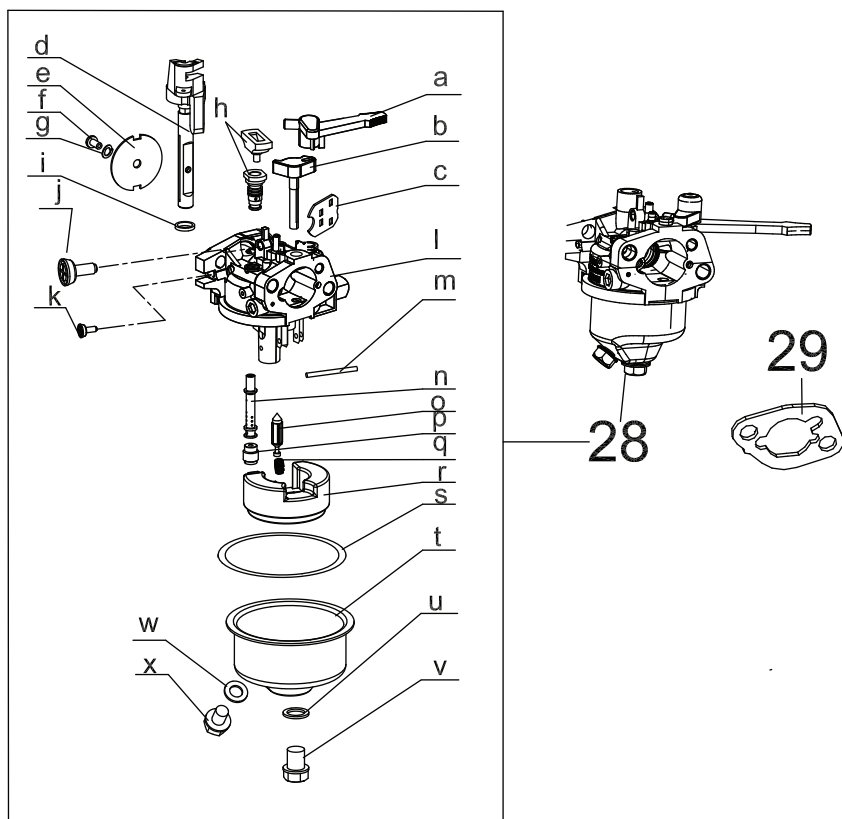
Ref.	Part Number	Description
24	710-04916	Bolt M6X14 Multi-Purpose
37	951-11542	Fuel Tank Bottom Bracket
38	951-12450	Fuel Tank / Console Bracket
39	951-10622	Ignition Switch
40	951-11676	Wire Clamp
41	736-04456	Fuel Tank Washer
42	951-10335	Rubber Bushing
43	750-05322	Fuel Tank Bushing
44	710-04922	Bolt M8X50 Fuel Tank
45	951-10300	Fuel Cap Assembly
49	951-10337	Fuel Tank Assembly
50	951-10358A	Fuel Filter
51	951-11700	Fuel Hose Clamp
52	951-11336	Fuel Line Kit
53	723-04071	Plastic Support Clamp

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170-T0B Air Cleaner & Muffler



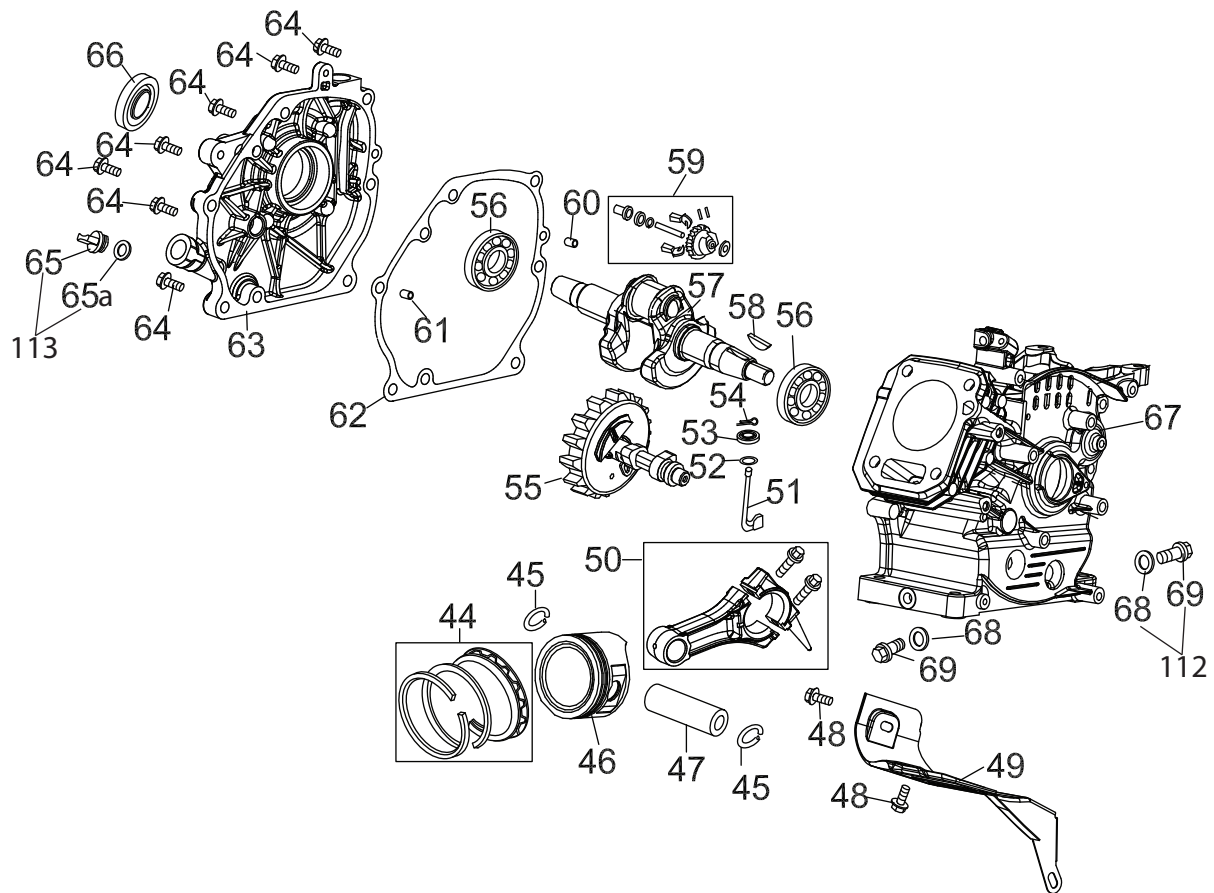
Ref.	Part Number	Description
20	951-11285	Exhaust Pipe Gasket
21	712-04214	Nut, M8
22	951-12156	Muffler Assembly
23	710-05002	Bolt
30	951-10806	Air Cleaner Housing
31	712-04213	Nut
32	710-05102	Self-Tapping Bolt M4.2×16
34	951-12135	Silencer Plate
35	951-10794	Air Cleaner Assembly
36	951-10794	Air Cleaner Assembly
37	951-12136	Air Cleaner Cover



Ref.	Part Number	Description
28	951-12124	Carburetor Assembly
29	951-11571	Carburetor Gasket Plate
a	951-11177	Control Lever,Choke
b	N/A	Choke Shaft
c	N/A	Choke Plate
d	N/A	Throttle Shaft
e	N/A	Throttle Plate
f	N/A	Screw M3x5
g	N/A	Lock Washer
h	N/A	Idle Jet Assembly
i	N/A	Gasket, Throttle Plate
j	N/A	Idle Speed Adjusting Screw
k	N/A	Mixture Screw
l	N/A	Carburetor Body

Ref.	Part Number	Description
m	N/A	Float Pin
n	N/A	Emulsion Tube
o	N/A	Needle Valve
p	N/A	Main Jet
q	N/A	Needle Valve Spring
r	N/A	Float
s	951-11589	Fuel Bowl Gasket
t	N/A	Fuel Bowl
u	951-11348	Fuel Bowl Gasket
v	710-04945	Fuel Bowl Mounting Bolt
w	951-11349	Fuel Drain Plug Gasket
x	710-04938	Fuel Drain Plug
	951-12119	Carburetor Kit - Major (Incl Ref. l,m,n,o,p,q,r,s,u & w)

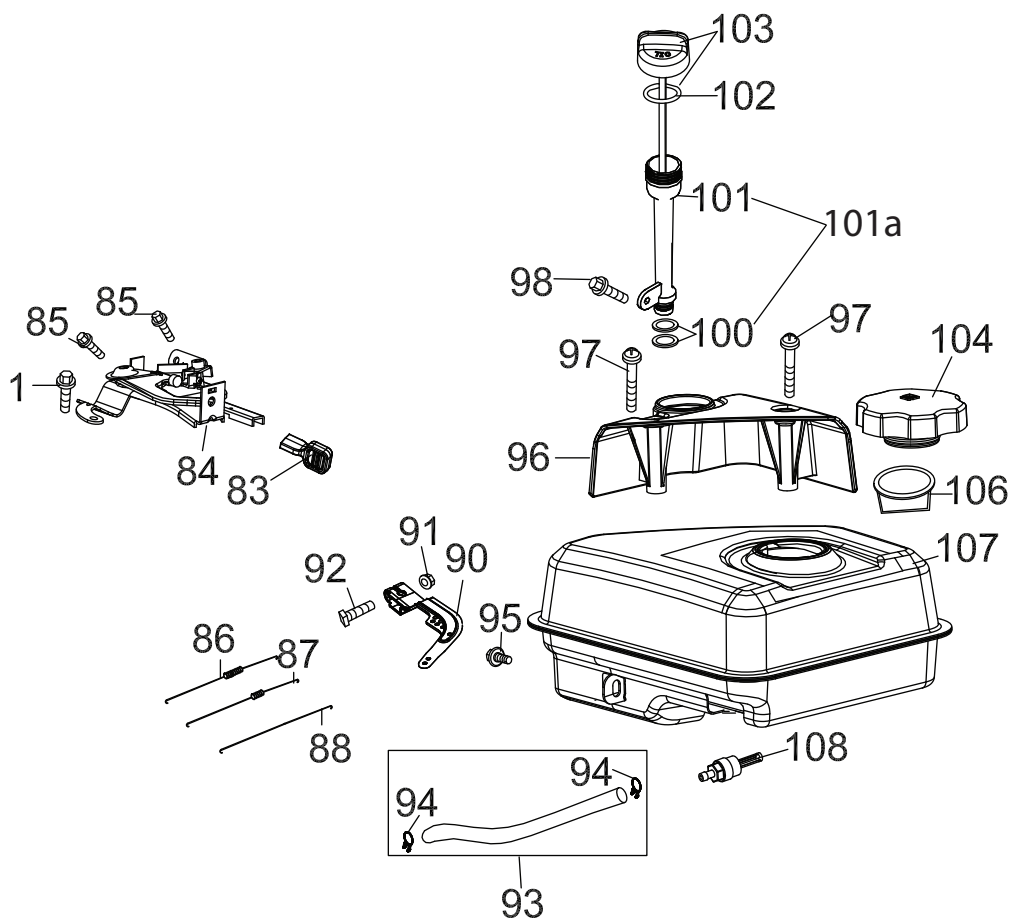
170-T0B Crankcase



Ref.	Part Number	Description
44	951-11253	Piston Ring Set
45	951-11632	Piston Pin Snap Ring
46	951-12007	Piston
47	951-11633	Piston Pin
48	710-04915	Bolt M6×12
49	951-11113	Air Shield
50	951-11573	Connecting Rod Assembly
51	951-11356	Governor Arm Shaft
52	736-04461	Washer 5.2×1.9
53	951-11574	Governor Seal
54	714-04074	Cotter Pin
55	951-11575	Camshaft Assy.
56	951-11369	Radial Ball Bearing, 6205
57	951-12160	Crankshaft Assembly
58	951-10307	Woodruff Key
59	951-11576	Governor Gear/Shaft Assembly

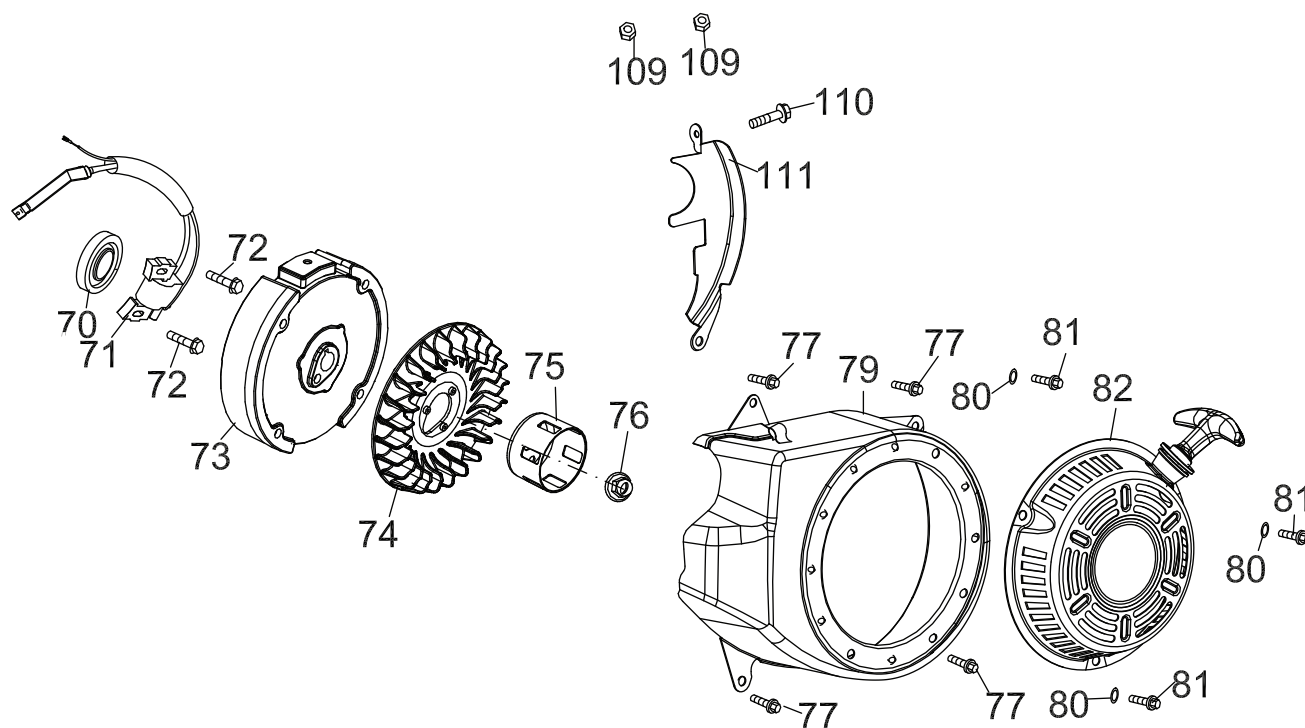
Ref.	Part Number	Description
60	715-04092	Dowel Pin 7×14
61	715-04089	Dowel Pin 9×14
62	951-11371	Crankcase Cover Gasket
63	951-12125	Cover Comp, Left Crankcase
64	710-04932	Bolt M8×32
65	951-11377	Oil Filler Plug Ass'y
65a	951-11577	O-Ring
66	951-11578	Oil Seal, 25×41.25×6
67	951-12155	Short Block (Incl Ref. 4,20,25,26,38, 40,41,44-47,50-70)
68	736-04440	Washer 10×16×1.5
69	710-04906	Oil Drain Plug
112	951-10370	Oil Drain Plug & Washer Assembly
113	951-11283	Oil Fill Plug Assembly

170-T0B Fuel Tank



Ref.	Part Number	Description
1	710-04968	Bolt M6x16
83	951-11067	Throttle Control Knob
84	951-12131	Primer Bracket
85	710-04928	Bolt M6x12
86	951-11585	Governor Spring
87	951-10664	Throttle Linkage Spring
88	951-10665	Throttle Linkage
90	951-11106	Governor Arm
91	712-04212	Nut M6
92	710-04908	Governor Arm Bolt
93	951-10650	Fuel Line Kit
94	951-11700	Fuel Hose Clamp
95	710-04915	Bolt M6x12

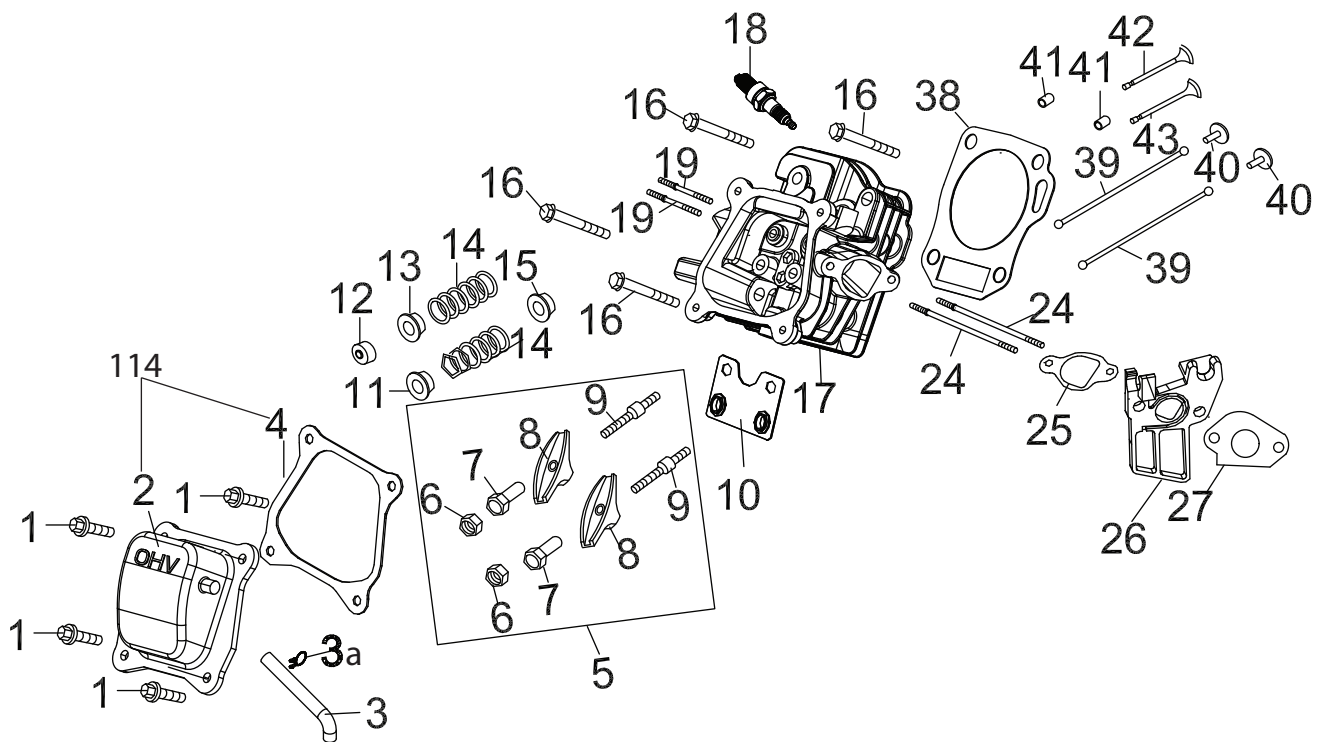
Ref.	Part Number	Description
96	951-10662	Dipstick Decoration Cover
97	710-04905	Bolt
98	710-04915	Bolt M6x12
100	951-11903	Oil Fill Tube O-Ring
101	951-10656	Oil Fill Tube
101a	951-11913	Oil Fill Tube Assembly
102	951-11904	Oil Fill Tube O-Ring
103	951-11912	Dipstick Assembly
104	951-10917	Fuel Cap Assembly
106	951-11933	Fuel Filter
107	951-12159	Fuel Tank
108	951-10651	Fuel Tank Nipple



Ref.	Part Number	Description
70	951-12126	Oil Seal 25×41.25×6
71	951-10792	Ignition Coil Assembly
72	710-04919	Bolt M6×25
73	951-10805	Flywheel
74	951-10909	Fan, Cooling
75	951-10911	Pulley, Starter
76	712-04209	Nut, Special, M14×1.5
77	710-04915	Bolt M6×12

Ref.	Part Number	Description
79	951-11583	Blower Housing
80	736-04455	Flat Washer
81	710-04974	Bolt M6×10
82	951-12127	Recoil Starter
109	712-04212	Nut, M6
110	710-04918	Bolt M6×20
111	951-11109	Blower Housing Shield

170-T0B Cylinder Head

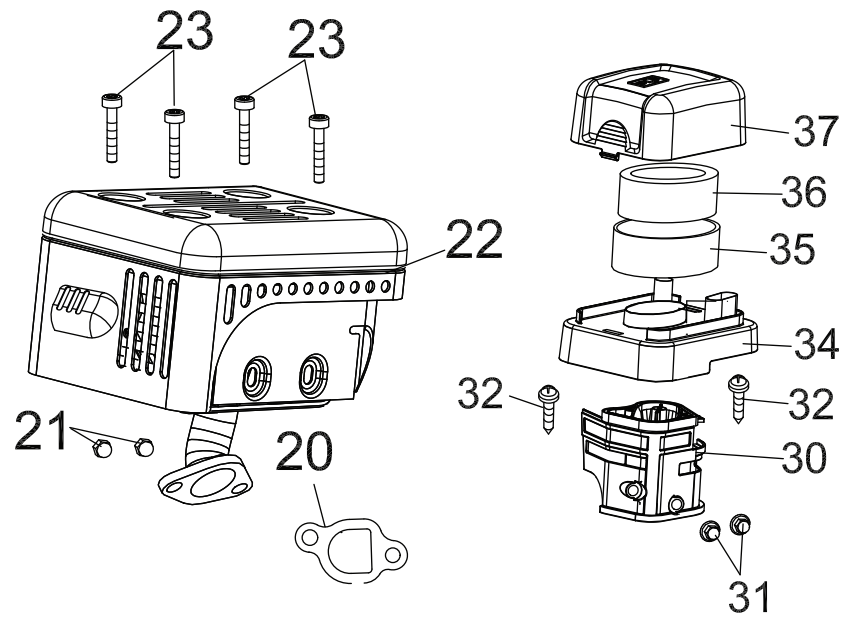


170-T0B Cylinder Head

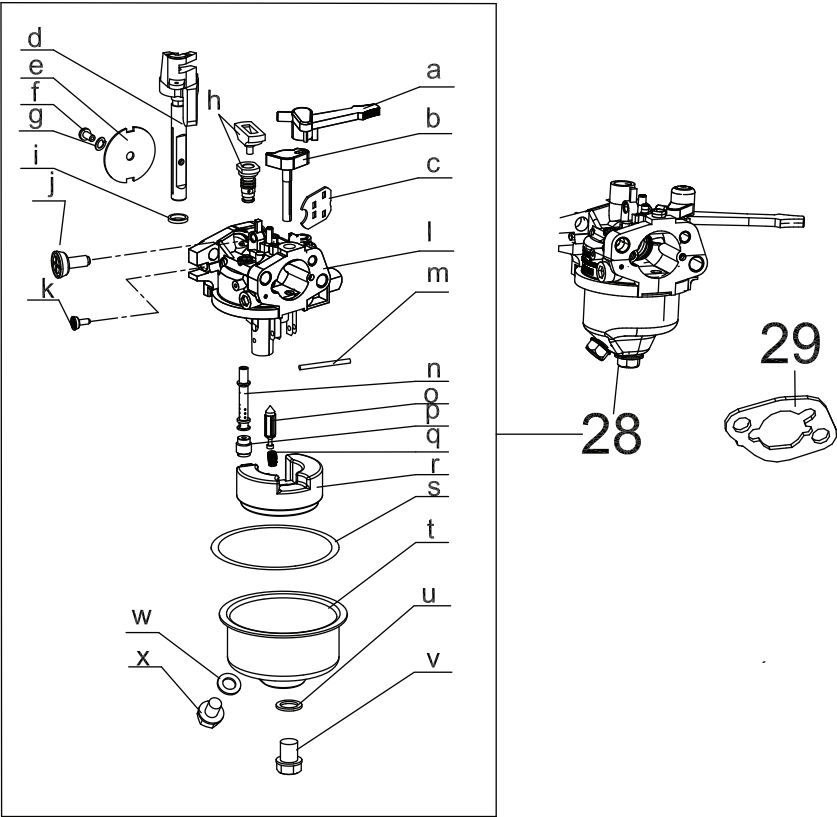
Ref.	Part Number	Description
1	710-04968	Bolt M6×16
2	951-11054	Valve Cover
3	731-07059	Breather Hose
3a	726-04101	Hose Clamp
4	951-11565	Valve Cover Gasket
5	951-11892	Rocker Arm Assembly
6	751-11124	Nut, Pivot Locking
7	751-11123	Adjusting Nut ,Valve
8	951-11893	Rocker Arm
9	710-04902	Bolt, Pivot
10	951-11895	Push Rod Guide
11	951-12000	Retainer, In.Valve Spring
12	951-12002	Adjuster, Exh Valve
13	951-12003	Retainer, Ex.Valve Spring
14	951-12004	Valve Spring
15	951-11894	Intake Valve Seal
16	710-04933	Bolt M8×55
17	951-10668A	Cylinder Head Assembly (Incl Ref. 4,6-15,17,20, 25,26,38,42 & 43)
18	951-10292	Spark Plug/F6Rtc

Ref.	Part Number	Description
19	710-05276	Muffler Stud M8×36
19	951-10657	Muffler Stud Assembly
24	710-05101	Stud M6×110
25	951-11567	Carburetor Insulator Gasket
26	951-11568	Carburetor Insulator
27	951-11569	Carburetor Gasket
38	951-11572	Gasket, Cylinder Head
39	951-10648	Push Rod
40	951-11899	Tappet
41	715-04090	Dowel Pin 10×16
42	951-10647A	Valve Kit
43	951-10647A	Valve Kit
114	951-11063A	Valve Cover Kit
	951-10819	Cylinder Head Service Kit (Incl Ref. 4,15,16 & 38)
	951-12120	Gasket Kit, External (Incl Ref. 4,20,25,26,27,29 & 68)
	951-12121	Gasket Kit, Complete (Incl Ref. 4,20,25,26,27,29,38,52, 53,62,66,68 & 70)

170-V0B Air Cleaner & Muffler



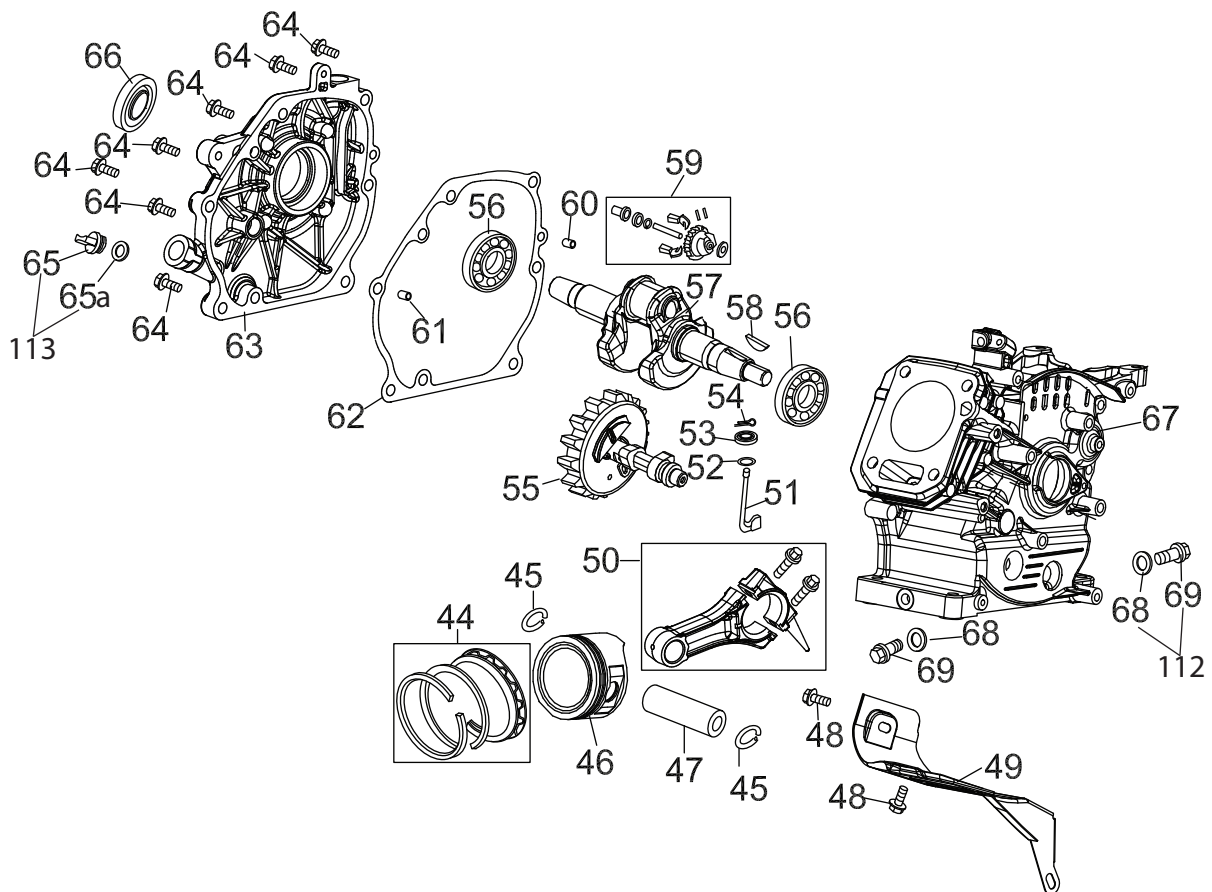
Ref.	Part Number	Description
20	951-11285	Exhaust Pipe Gasket
21	712-04214	Nut, M8
22	751-12294	Muffler Assembly
23	710-05002	Bolt
30	951-10806	Air Cleaner Housing
31	712-04213	Nut
32	710-05102	Self-Tapping Bolt M4.2×16
34	951-12135	Silencer Plate
35	951-10794	Air Cleaner Assembly
36	951-10794	Air Cleaner Assembly
37	951-12136	Air Cleaner Cover



Ref.	Part Number	Description
28	951-10797	Carburetor Assembly
29	951-11571	Carburetor Gasket Plate
a	951-11177	Control Lever,Choke
b	N/A	Choke Shaft
c	N/A	Choke Plate
d	N/A	Throttle Shaft
e	N/A	Throttle Plate
f	N/A	Screw M3x5
g	N/A	Lock Washer
h	N/A	Idle Jet Assembly
i	N/A	Gasket, Throttle Plate
j	N/A	Idle Speed Adjusting Screw
k	N/A	Mixture Screw
l	N/A	Carburetor Body

Ref.	Part Number	Description
m	N/A	Float Pin
n	N/A	Emulsion Tube
o	N/A	Needle Valve
p	N/A	Main Jet
q	N/A	Needle Valve Spring
r	N/A	Float
s	951-11589	Fuel Bowl Gasket
t	N/A	Fuel Bowl
u	951-11348	Fuel Bowl Gasket
v	710-04945	Fuel Bowl Mounting Bolt
w	951-11349	Fuel Drain Plug Gasket
x	710-04938	Fuel Drain Plug
	951-12119	Carburetor Kit - Major (Incl Ref. l,m,n,o,p,q,r,s,u & w)

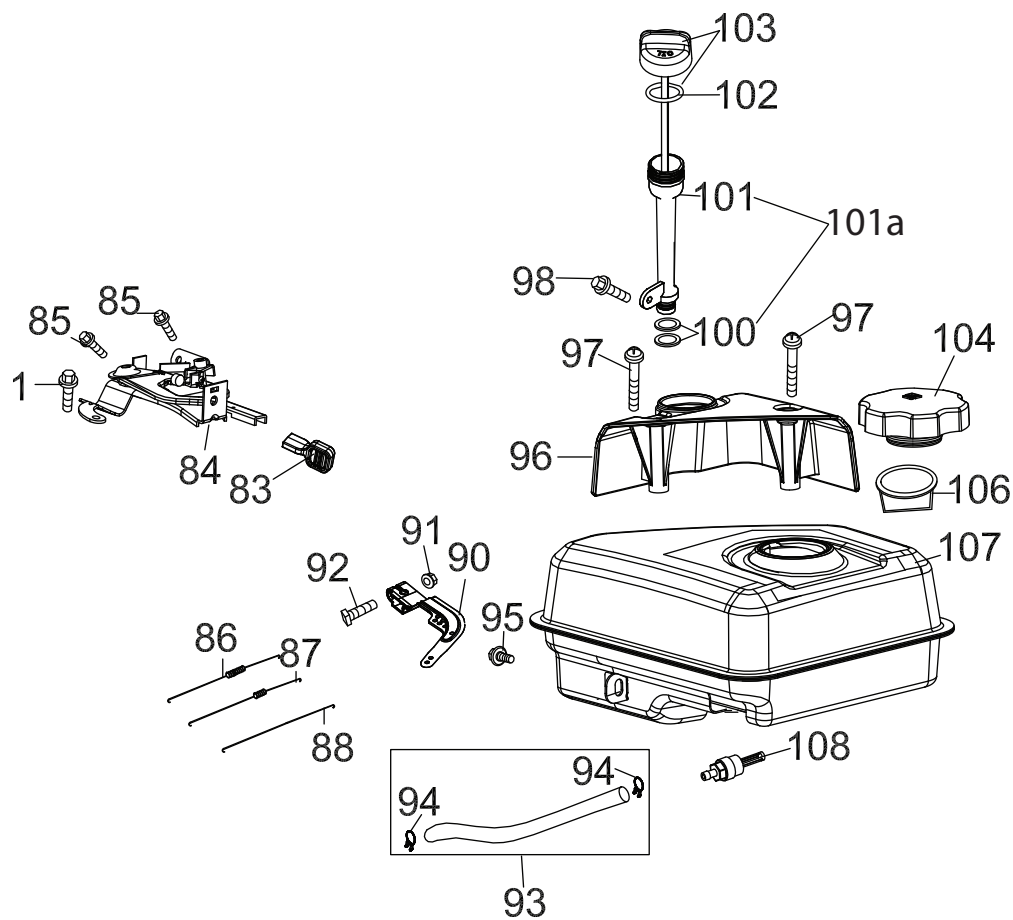
170-V0B Crankcase



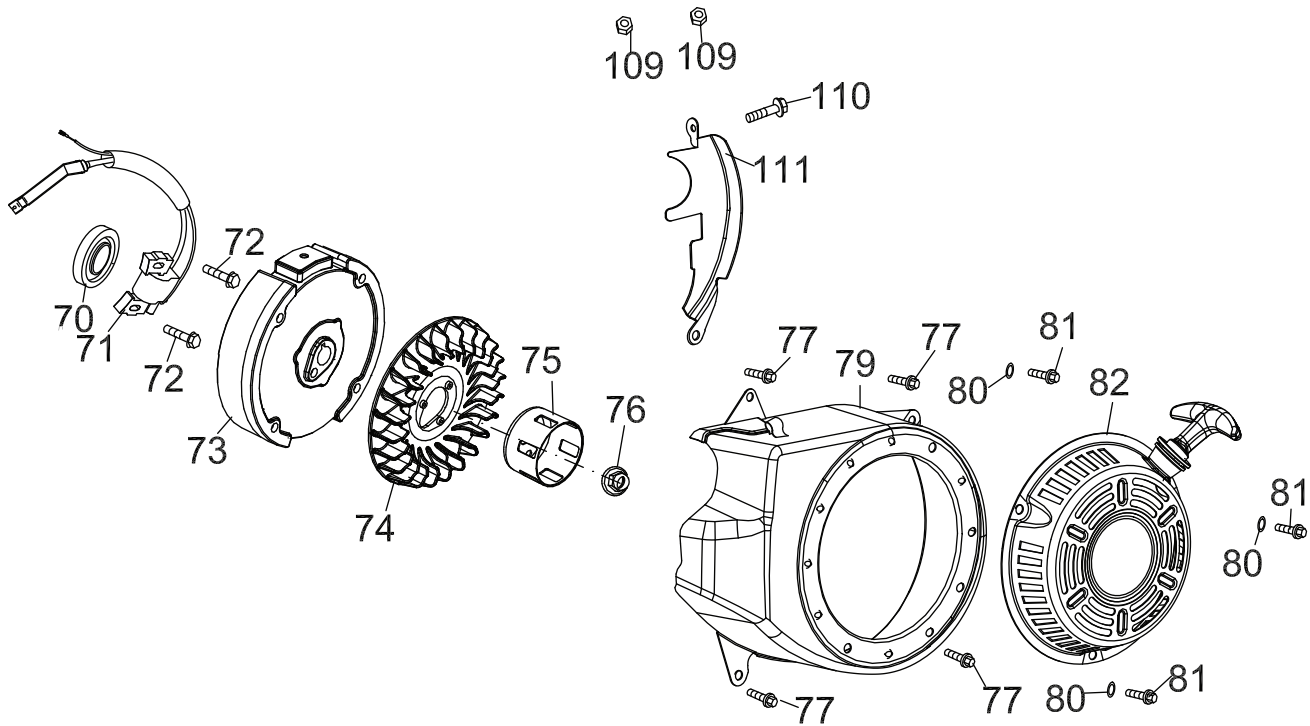
Ref.	Part Number	Description
44	951-11253	Piston Ring Set
45	951-11632	Piston Pin Snap Ring
46	951-12007	Piston
47	951-11633	Piston Pin
48	710-04915	Bolt M6×12
49	951-11113	Air Shield
50	951-11573	Connecting Rod Assembly
51	951-11356	Governor Arm Shaft
52	736-04461	Washer 5.2×1.9
53	951-11574	Governor Seal
54	714-04074	Cotter Pin
55	951-11575	Camshaft Assy.
56	951-11369	Radial Ball Bearing, 6205
57	951-12160	Crankshaft Assembly
58	951-10307	Woodruff Key
59	951-11576	Governor Gear/Shaft Assembly

Ref.	Part Number	Description
60	715-04092	Dowel Pin 7×14
61	715-04089	Dowel Pin 9×14
62	951-11371	Crankcase Cover Gasket
63	951-12125	Cover Comp, Left Crankcase
64	710-04932	Bolt M8×32
65	951-11377	Oil Filler Plug Ass'y
65a	951-11577	O-Ring
66	951-11578	Oil Seal, 25×41.25×6
67	951-12155	Short Block (Incl Ref. 4,20,25,26,38, 40,41,44-47,50-70
68	736-04440	Washer 10×16×1.5
69	710-04906	Oil Drain Plug
112	951-10370	Oil Drain Plug & Washer Assembly
113	951-11283	Oil Fill Plug Assembly

170-V0B Fuel Tank



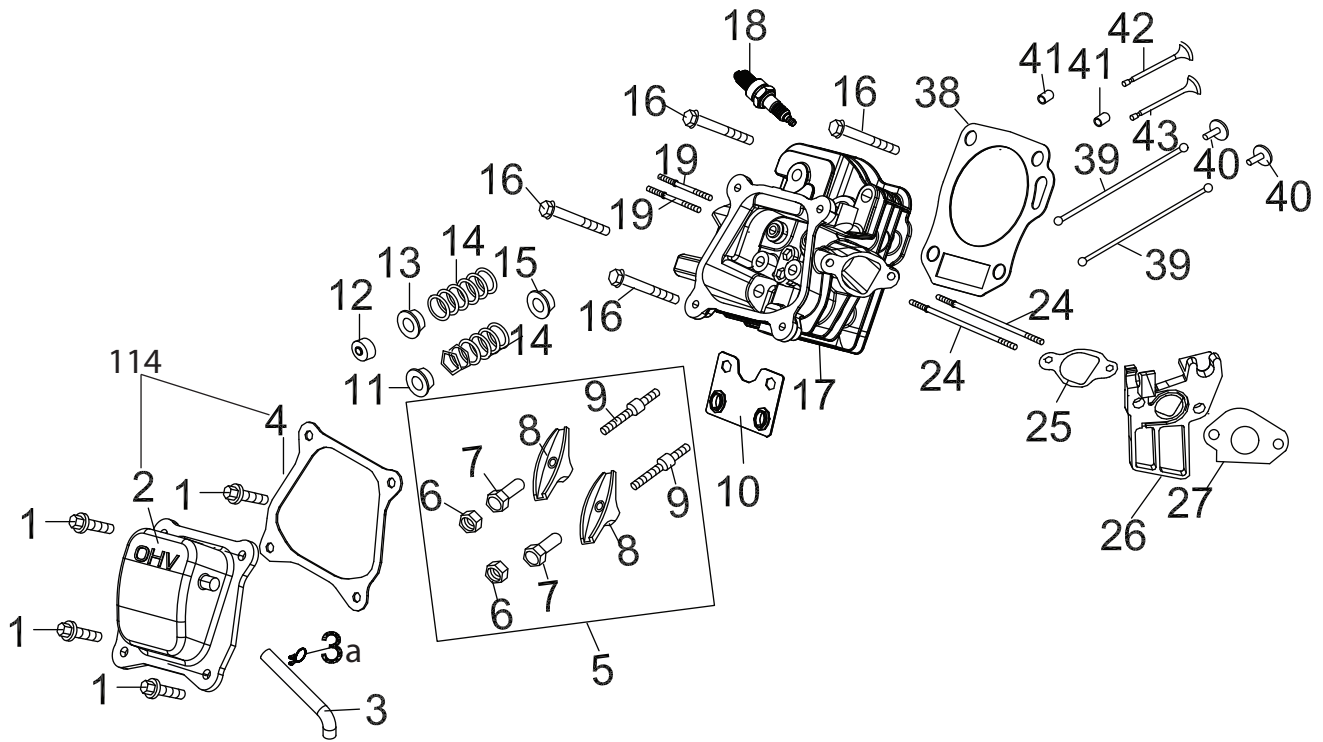
Ref.	Part Number	Description	Ref.	Part Number	Description
1	710-04968	Bolt M6x16	96	951-11914	Dipstick Decoration Cover
83	951-11067	Throttle Control Knob	97	710-04905	Bolt
84	951-12131	Primer Bracket	98	710-04915	Bolt M6x12
85	710-04928	Bolt M6x12	100	951-11903	Oil Fill Tube O-Ring
86	951-11585	Governor Spring	101	951-10656	Oil Fill Tube
87	951-10664	Throttle Linkage Spring	101a	951-11913	Oil Fill Tube Assembly
88	951-10665	Throttle Linkage	102	951-11904	Oil Fill Tube O-Ring
90	951-11106	Governor Arm	103	951-11912	Dipstick Assembly
91	712-04212	Nut M6	104	951-10917	Fuel Cap Assembly
92	710-04908	Governor Arm Bolt	106	951-11933	Fuel Filter
93	951-10650	Fuel Line Kit	107	951-12159	Fuel Tank
94	951-11700	Fuel Hose Clamp	108	951-10651	Fuel Tank Nipple
95	710-04915	Bolt M6x12			



Ref.	Part Number	Description
70	951-12126	Oil Seal 25×41.25×6
71	951-10792	Ignition Coil Assembly
72	710-04919	Bolt M6×25
73	951-10805	Flywheel
74	951-10909	Fan, Cooling
75	951-10911	Pulley, Starter
76	712-04209	Nut, Special, M14×1.5
77	710-04915	Bolt M6×12

Ref.	Part Number	Description
79	951-11583	Blower Housing
80	736-04455	Flat Washer
81	710-04974	Bolt M6×10
82	951-12127	Recoil Starter
109	712-04212	Nut, M6
110	710-04918	Bolt M6×20
111	951-11109	Blower Housing Shield

170-V0B Cylinder Head

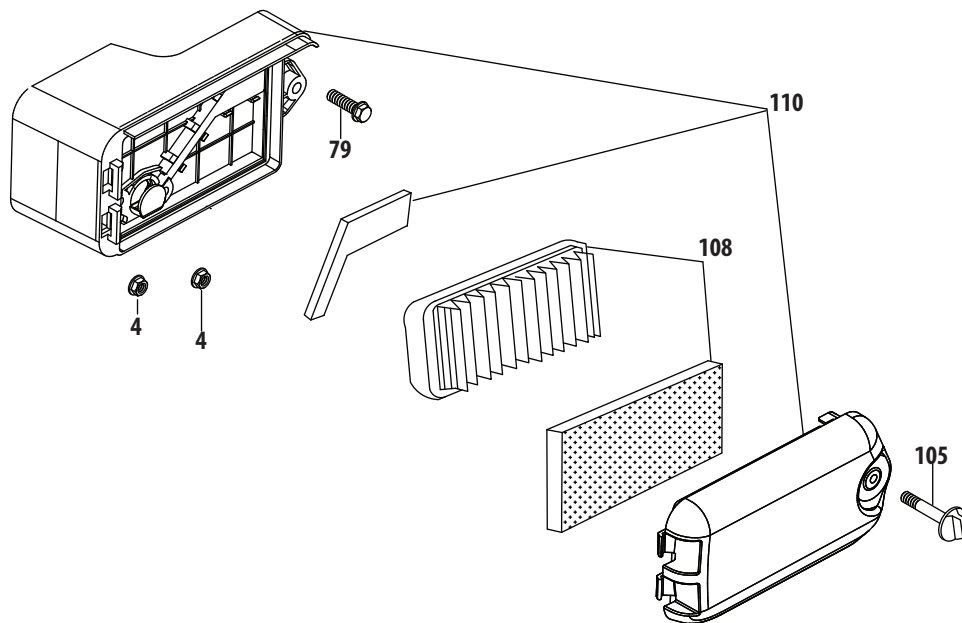


170-V0B Cylinder Head

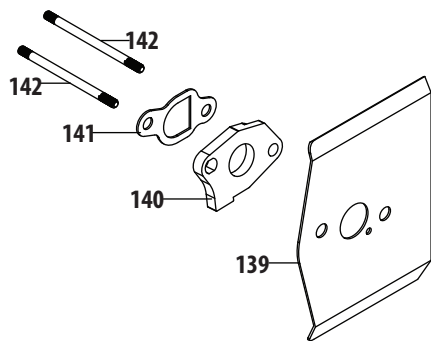
Ref.	Part Number	Description
1	710-04968	Bolt M6×16
2	951-11054	Valve Cover
3	731-07059	Breather Hose
3a	726-04101	Hose Clamp
4	951-11565	Valve Cover Gasket
5	951-11892	Rocker Arm Assembly
6	751-11124	Nut, Pivot Locking
7	751-11123	Adjusting Nut ,Valve
8	951-11893	Rocker Arm
9	710-04902	Bolt, Pivot
10	951-11895	Push Rod Guide
11	951-12000	Retainer, In.Valve Spring
12	951-12002	Adjuster, Exh Valve
13	951-12003	Retainer, Ex.Valve Spring
14	951-12004	Valve Spring
15	951-11894	Intake Valve Seal
16	710-04933	Bolt M8×55
17	951-10668A	Cylinder Head Assembly (Incl Ref. 4,6-15,17,20, 25,26,38,42 & 43)
18	951-10292	Spark Plug/F6Rtc

Ref.	Part Number	Description
19	710-05276	Muffler Stud M8×36
19	951-10657	Muffler Stud Assembly
24	710-05101	Stud M6×110
25	951-11567	Carburetor Insulator Gasket
26	951-11568	Carburetor Insulator
27	951-11569	Carburetor Gasket
38	951-11572	Gasket, Cylinder Head
39	951-10648	Push Rod
40	951-11899	Tappet
41	715-04090	Dowel Pin 10×16
42	951-10647A	Valve Kit
43	951-10647A	Valve Kit
114	951-11063A	Valve Cover Kit
	951-10819	Cylinder Head Service Kit (Incl Ref. 4,15,16 & 38)
	951-12120	Gasket Kit, External (Incl Ref. 4,20,25,26,27,29 & 68)
	951-12121	Gasket Kit, Complete (Incl Ref. 4,20,25,26,27,29,38,52, 53,62,66,68 & 70)

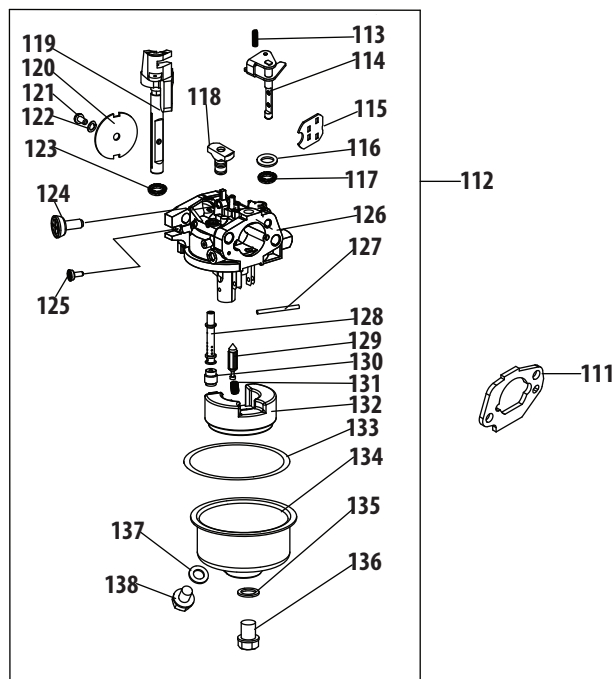
1P65TU Air Cleaner



Ref.	Part Number	Description
4	712-04212	Nut M6X10Mm
79	710-04980	Bolt M6X35
105	951-10297	Air Filter Cover Thumb Screw
108	951-10298	Air Filter Element, Paper
110	951-10405	Air Cleaner Housing Ass'y



187 - Carburetor Kit



Ref.	Part Number	Description
111	951-11525	Carburetor Gasket Plate
112	951-12446	Carburetor Assembly
113	n/a	Detent Spring
114	n/a	Choke Shaft
115	n/a	Choke Plate
116	736-04556	Choke Shaft Washer
117	n/a	Choke Shaft Fiber O-Ring
118	n/a	Idle Jet Assembly
119	n/a	Throttle Shaft
120	n/a	Throttle Plate
121	n/a	Screw M3X6 Throttle Plate
122	n/a	Throttle Plate Lock Washer
123	n/a	Throttle Shaft Fiber O-Ring
124	n/a	Idle Speed Adjusting Screw
125	n/a	Idle Mixture Screw
126	n/a	Carburetor Body
127	n/a	Float Pin

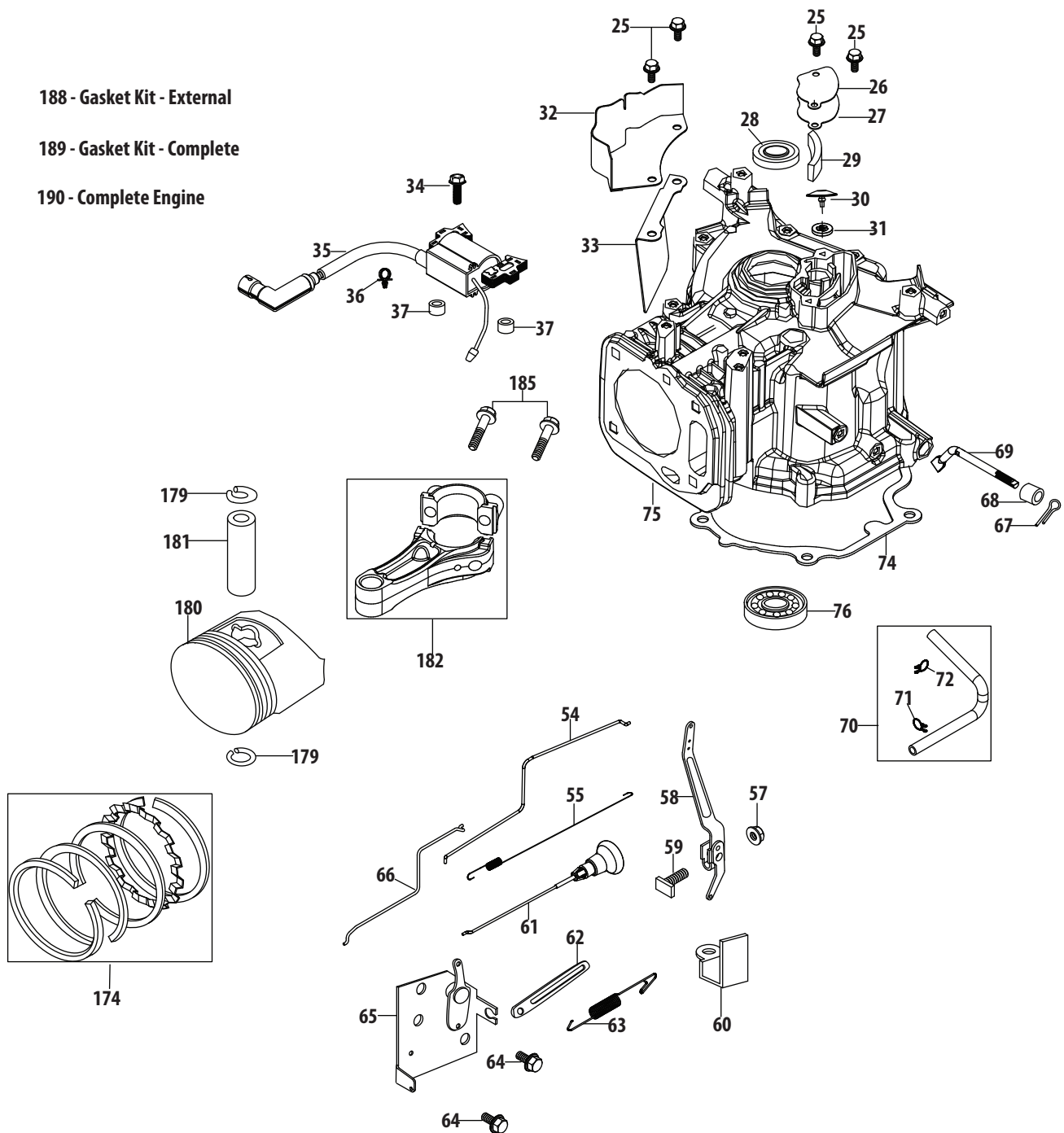
Ref.	Part Number	Description
128	n/a	Emulsion Tube
129	n/a	Needle Valve
130	n/a	Main Jet
131	n/a	Needle Valve Spring
132	n/a	Float
133	951-11589	Fuel Bowl O-Ring
134	n/a	Fuel Bowl
135	951-11348	Fuel Bowl Gasket
136	710-04945	Fuel Bowl Mounting Bolt
137	951-11349	Fuel Drain Plug Gasket
138	710-04938	Fuel Drain Plug
139	951-12451	Carburetor Gasket
140	951-11738	Carburetor Insulator
141	951-11528	Carburetor Insulator Gasket
142	710-05093	Carb Stud M6X92
187	951-12178A	Carburetor Kit - Major (Incl.118,123,124,127-133,135,137)

1P65TU Crankcase

188 - Gasket Kit - External

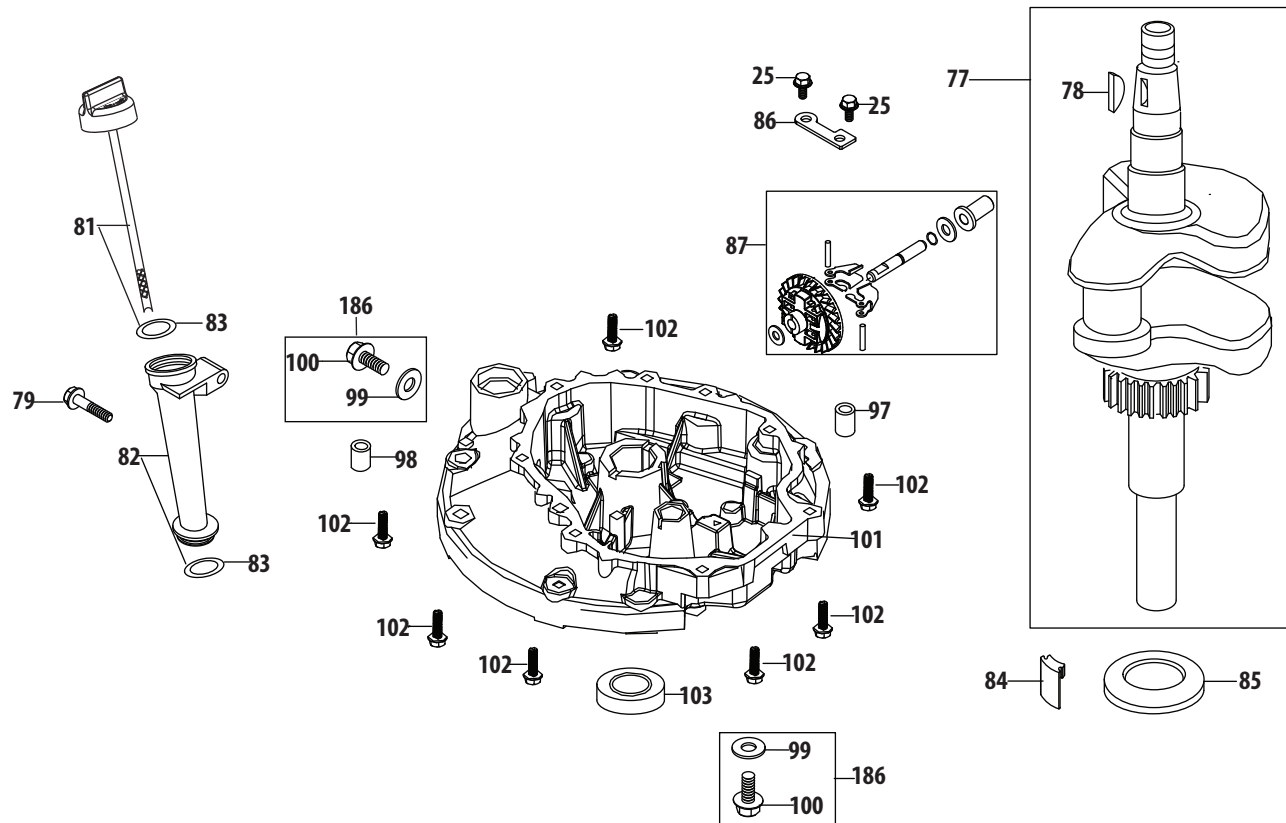
189 - Gasket Kit - Complete

190 - Complete Engine



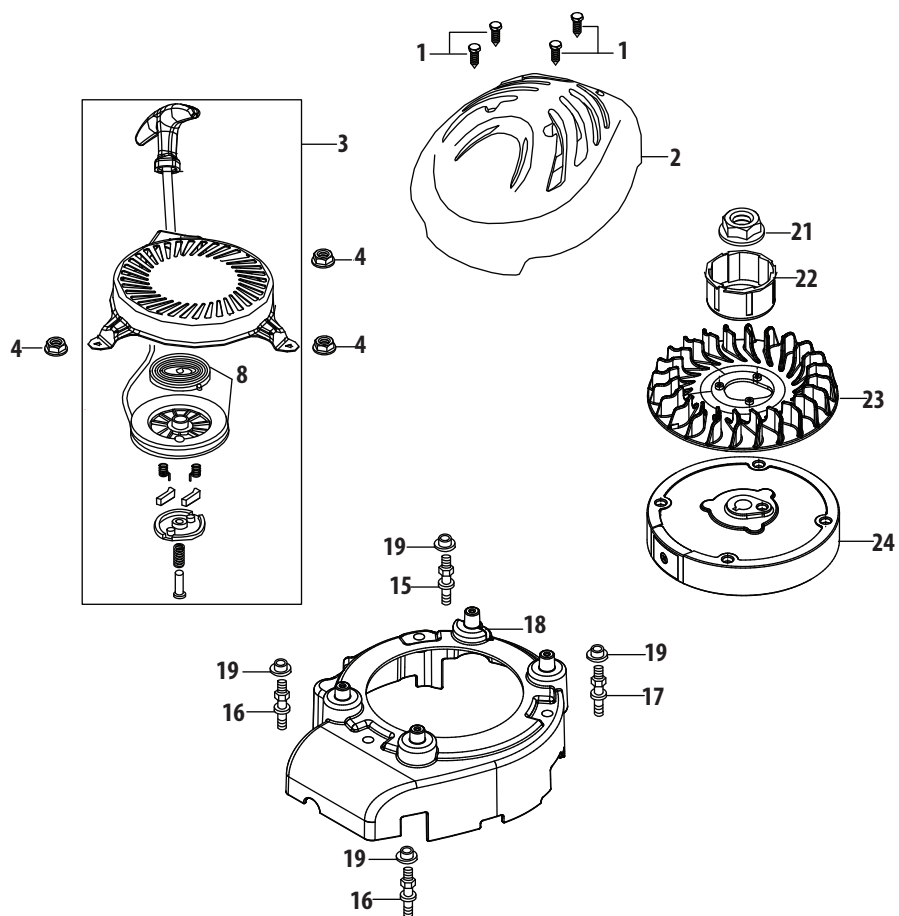
Ref.	Part Number	Description	Ref.	Part Number	Description
25	710-04916	Bolt M6X14	67	714-04074	Governor Arm Shaft Cotter Pin
26	951-12684	Breather Cover Plate	68	951-11574	Governor Seal
27	951-11729	Breather Gasket	69	951-11608	Governor Arm Shaft
28	951-11596	Upper Crankshaft Seal	70	951-11520	Breather Hose Assembly
29	951-11730	Breather Screen	71	726-04101	Breather Hose Clamp
30	951-12685	Breather Valve	72	726-04128	Breather Hose Clamp
31	951-12686	Breather Valve Base	74	951-11732	Crankcase Cover Gasket
32	951-11673	Engine Brake Cover Plate	75	951-12692	Short Block Assembly (Incl.25-31,67-69,74-78,85-87,97-103, 111,140,141,157,160,169,170, 172-174,179-182)
33	951-11602	Label Bracket	76	951-11369	Main Bearing
34	710-04969	Bolt M6X30	174	951-11688	Piston Ring Set
35	951-10620	Ignition Coil Assembly	179	951-11603	Piston Pin Snap Ring
36	951-11674	Ignition Wire Clip	180	951-11605	Piston
37	951-11675	Ignition Coil Spacer	181	951-11604	Piston Pin
54	951-11677	Throttle Linkage	182	951-11744	Connecting Rod Assembly
55	951-11522	Throttle Linkage Spring	185	710-05162	Connecting Rod Bolt
57	712-04212	Governor Arm Nut M6	188	951-12449	Gasket Kit - External (Incl.27,83,99,139-141,157,160)
58	951-11678	Governor Arm	189	951-12448	Gasket Kit - Complete (Incl.27,28,68,74,83,99,103, 139-141,157,160,169)
59	710-04908	Governor Arm Bolt	190	952Z1P65TU	Complete Engine
60	951-11679	Governor Arm Guard			
61	951-10619	Choke Control			
62	951-11680	Flexible Clamp			
63	951-10387	Governor Spring			
64	710-04915	Bolt M6X12			
65	951-11681	Component Bracket			
66	951-11694	Choke Linkage			

1P65TU Crankshaft & Crankcase Cover



Ref.	Part Number	Description
25	710-04916	Bolt M6X14
77	951-11682	Crankshaft Assembly
78	951-10307	Flywheel Key
79	710-04980	Bolt M6X35
81	951-12696	Dipstick Assembly
82	951-11765	Oil Fill Tube
83	951-11547	Dipstick / Oil Fill Tube O-Ring
84	951-11733	Oil Return Seal
85	736-04491	Crankshaft Thrust Washer
86	951-11609	Governor Gear Mounting Plate

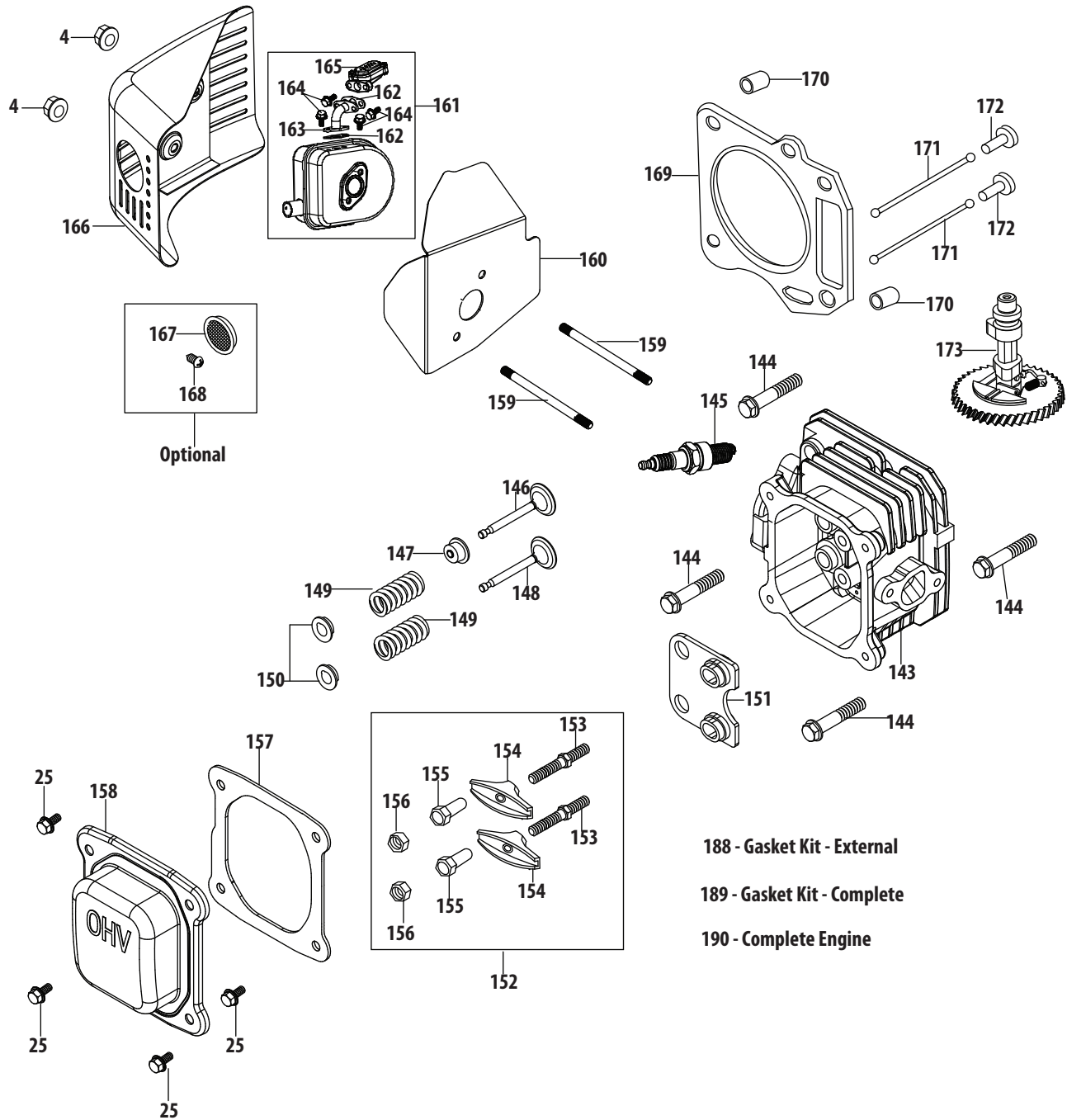
Ref.	Part Number	Description
87	951-11549	Governor Gear/Shaft Assembly
97	715-04092	Crankcase Cover Dowel Pin 7×14
98	715-04089	Crankcase Cover Dowel Pin 9×14
99	736-04440	Oil Drain Plug Washer
100	710-04906	Oil Drain Plug
101	951-11793	Crankcase Cover
102	710-04920	Bolt M6X28
103	951-11545	Lower Crankshaft Seal
186	951-10370	Oil Drain Plug & Washer Ass'y



Ref.	Part Number	Description
1	710-04744	Screw, #12-16 X 1.00"
2		Outer Shroud (Model Specific)
3	951-12683	Recoil Starter Assembly
4	712-04212	Nut M6X10Mm
8	951-11721	Starter Pulley
15	751-11722	Stud Left/Black/Ye Zinc
16	951-11723	Stud Front/Unmarked/Ye Zinc
17	951-11724	Stud Right/White/Ye Zinc

Ref.	Part Number	Description
18	951-10336	Inner Shroud
18	951-12879	Inner Shroud Assy (Incl.17)
19	750-05320	Engine Shroud Spacer
21	712-04287	Flywheel Nut M14
22	951-12161	Starter Cup
23	951-10934	Cooling Fan
24	951-11042	Flywheel

1P65TU Cylinder Head

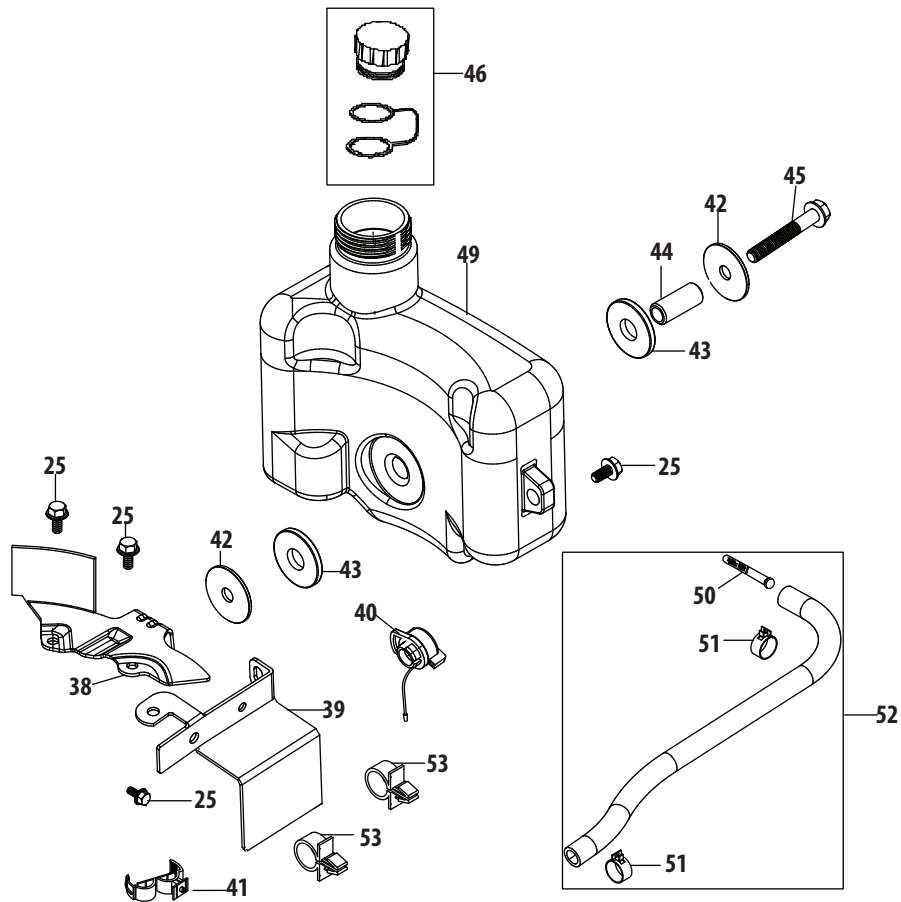


1P65TU Cylinder Head

Ref.	Part Number	Description
4	712-04212	Nut M6X10Mm
25	710-04916	Bolt M6X14
143	951-10846A	Cylinder Head Service Kit (Incl.144,147,157,169)
	951-11746	Cylinder Head Assembly (Incl.140,141,143,146-151, 153-157,160,169)
144	710-04982	Bolt M8X54
145	951-10292	Spark Plug/F6Rtc
146	951-10313	Valve Kit
147	951-11818	Intake Valve Seal
148	951-10313	Valve Kit
149	951-12004	Valve Spring
150	951-11977	Valve Spring Retainer
151	951-11687	Push Rod Guide
152	951-11606	Rocker Arm Assembly
153	710-04902	Rocker Arm Stud
154	951-12001	Rocker Arm
155	751-11123	Fulcrum Nut
156	751-11124	Jam Nut
157	951-11551	Valve Cover Gasket
158	951-11548	Valve Cover

Ref.	Part Number	Description
159	710-05094	Muffler Stud M6X95
159	951-10342	Muffler Stud Ass'Y
160	951-11739	Muffler Gasket
161	951-12740	Muffler Assembly
162	951-12743	Secondary Air Valve Gasket
163	951-12742	Secondary Air Tube
164	710-05434	Bolt M6x12 Secondary Air Tube/Valve
165	951-12865	Secondary Air Valve
166	951-12744	Muffler Shield
167	951-10351	Spark Arrestor
168	710-04983	Spark Arrestor Screw
169	951-11555	Cylinder Head Gasket
170	715-04108	Cylinder Head Dowel Pin 10x16
171	951-10314	Push Rod Kit
172	951-11607	Tappet
173	951-11741	Camshaft Assembly
188	951-12449	Gasket Kit - External (Incl.27,83,99,139-141,157,160)
189	951-12448	Gasket Kit - Complete (Incl.27,28,68,74,83,99,103, 139-141,157,160,169)
190	952Z1P65TU	Complete Engine

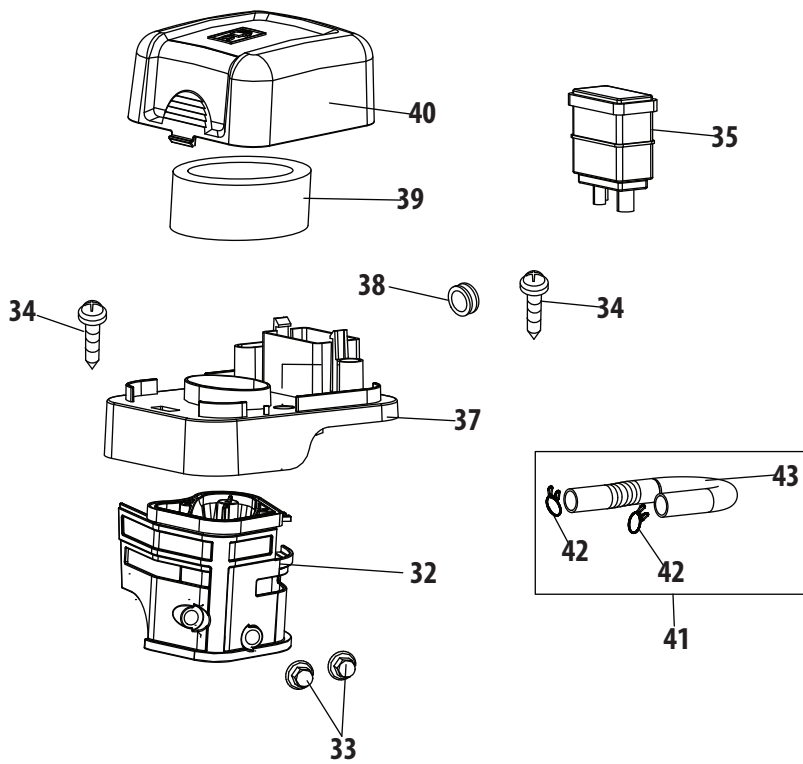
1P65TU Fuel Tank



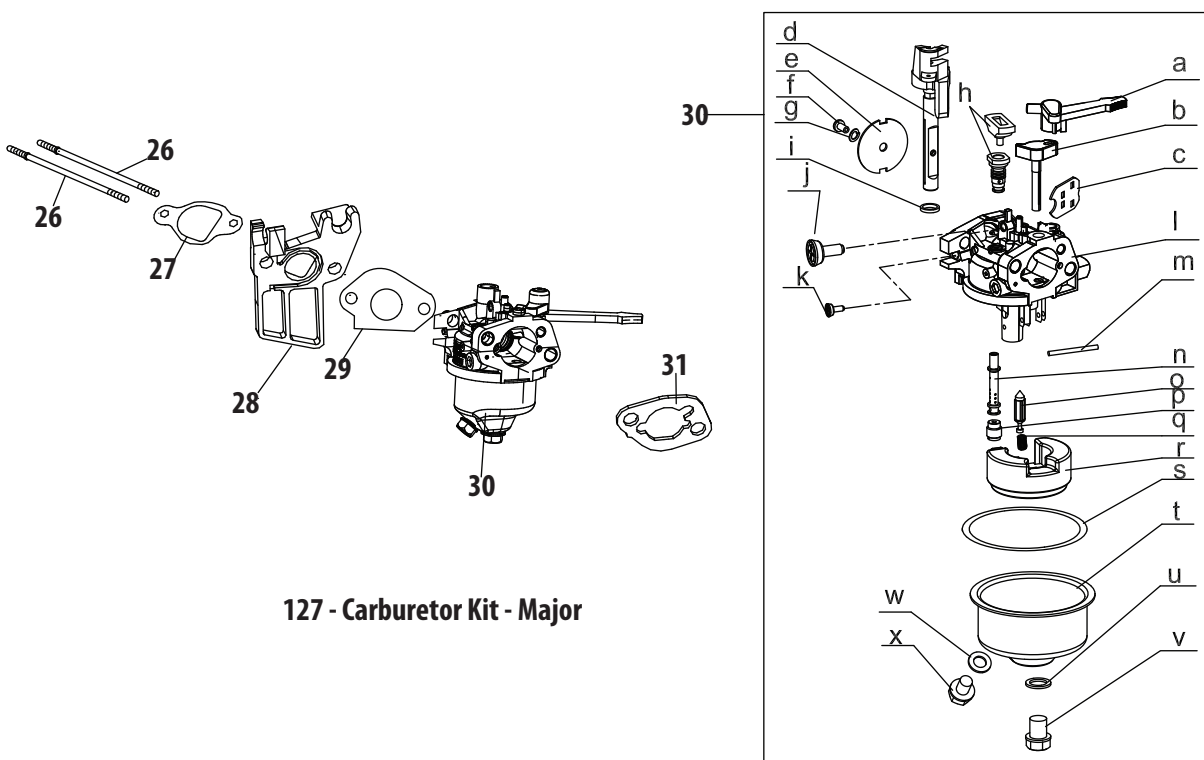
Ref.	Part Number	Description
25	710-04916	Bolt M6X14
38	951-11542	Fuel Tank Bottom Bracket
39	951-12450	Fuel Tank / Console Bracket
40	951-10622	Ignition Switch
41	951-11676	Wire Clamp
42	736-04456	Fuel Tank Washer
43	951-10335	Rubber Bushing
44	750-05322	Fuel Tank Bushing
45	710-04922	Bolt M8X50
46	951-12738	Fuel Cap Assembly
49	951-12864	Fuel Tank Assembly
50	951-10358A	Fuel Filter
51	951-11731	Fuel Hose Clamp
52	951-10363	Fuel Line Kit
53	723-04071	Plastic Support Clamp

[illegible]

170-TU Air Cleaner



Ref.	Part Number	Description
32	951-10806	Air Cleaner Housing
33	712-04213	Nut
34	951-14068	Self-Tapping Bolt M4.2×16
35	951-14069	Carbon Canister
37	951-14070	Silencer Plate
38	750-05314	Rubber Shock Pad
39	951-10794	Air Filter Assembly
40	951-14071	Air Filter Cover
41	951-14072	Primer Hose
42	951-14073	Clamp
43	951-14074	Exhaust Piping

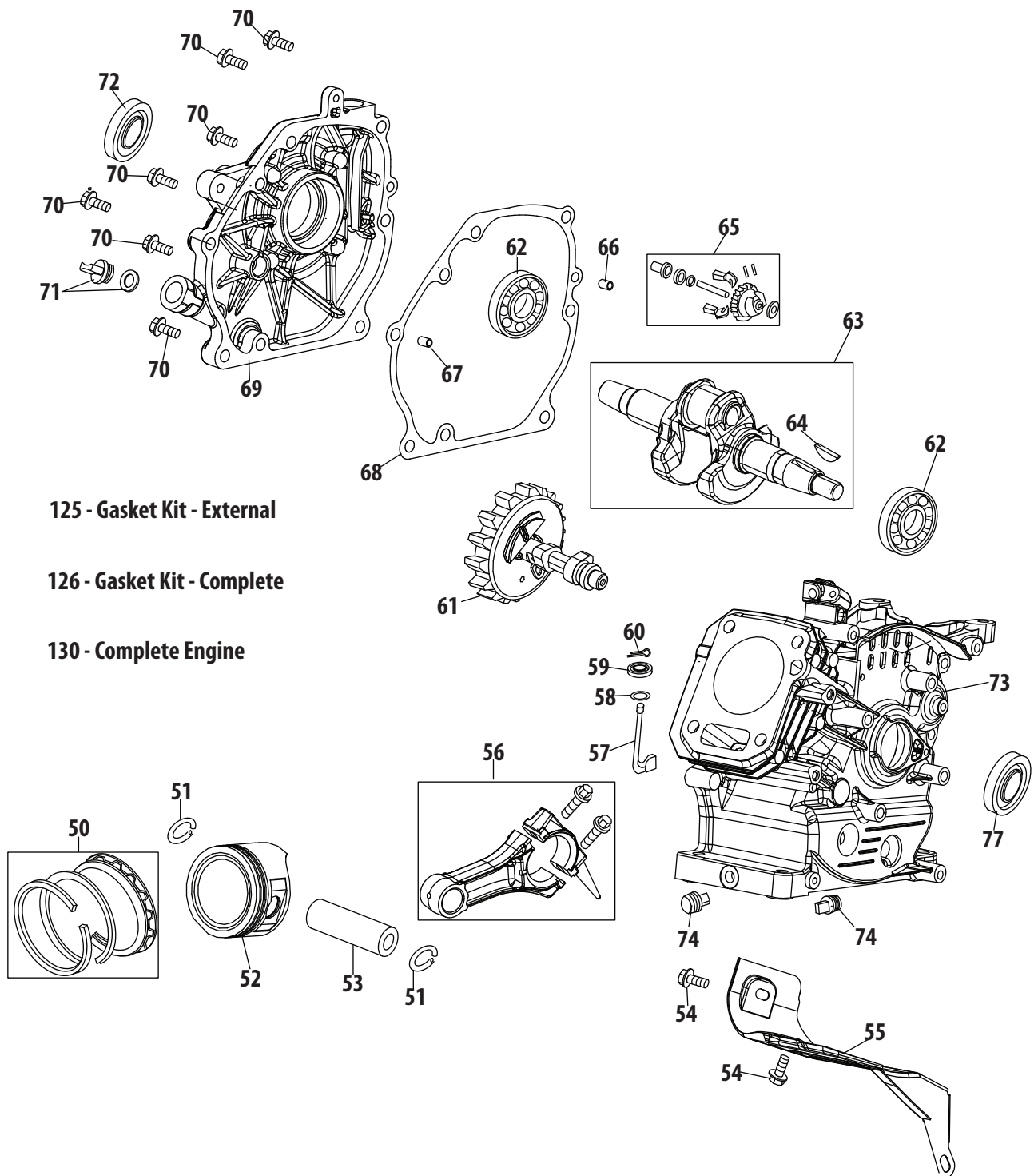


127 - Carburetor Kit - Major

Ref.	Part Number	Description
26	710-05101	Stud M6×110
27	951-11567	Carburetor Insulator Gasket
28	951-11568	Carburetor Insulator
29	951-11569A	Carburetor Gasket
30	951-12124	Carburetor Assembly
31	951-11571	Carburetor Gasket Plate
127	951-12119A	Carburetor Kit - Major
a	951-11177	Control Lever,Choke
b	n/a	Choke Shaft
c	n/a	Choke Plate
d	n/a	Throttle Shaft
e	n/a	Throttle Plate
f	n/a	Screw M3×5
g	736-04638	Lock Washer
h	n/a	Idle Jet Assembly
i	n/a	Gasket, Throttle Plate

Ref.	Part Number	Description
j	n/a	Idle Speed Adjusting Screw
k	n/a	Mixture Screw
l	n/a	Carburetor Body
m	n/a	Float Pin
n	n/a	Emulsion Tube
o	n/a	Needle Valve
p	n/a	Main Jet
q	n/a	Needle Valve Spring
r	n/a	Float
s	951-11589	Fuel Bowl Gasket
t	n/a	Fuel Bowl
u	951-11348	Fuel Bowl Gasket
v	710-04945	Fuel Bowl Mounting Bolt
w	951-11349	Fuel Drain Plug Gasket
x	710-04938	Fuel Drain Plug

170-TU Crankshaft & Crankcase

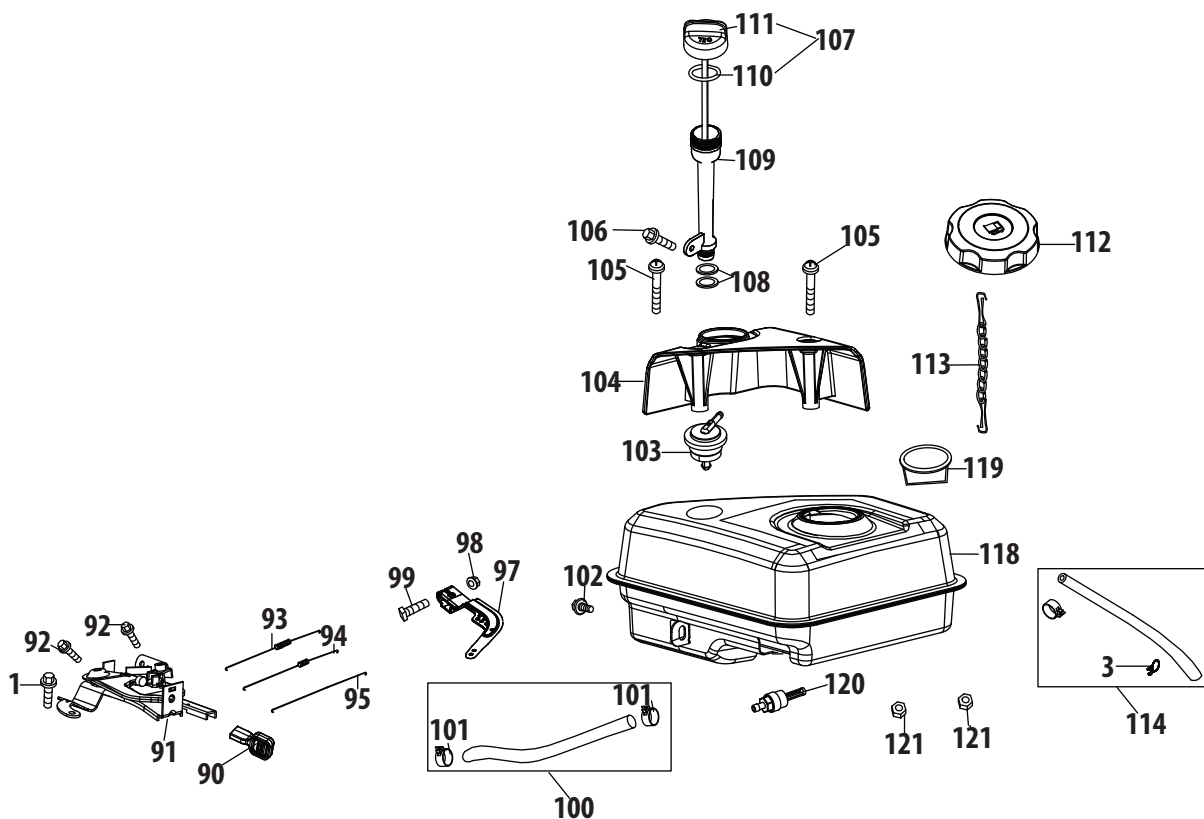


170-TU Crankshaft & Crankcase

Ref.	Part Number	Description
50	951-12111	Piston Ring Set
51	951-11632	Piston Pin Snap Ring
52	951-12007	Piston
53	951-11633	Piston Pin
54	710-04915	Bolt M6×12
55	951-11113	Air Shield
56	951-11573	Connecting Rod Assembly
57	951-11356	Governor Arm Shaft
58	736-04461	Washer 5.2×1.9
59	951-11574	Governor Seal
60	714-04074	Cotter Pin
61	951-11575	Camshaft Assy.
62	951-11369	Radial Ball Bearing, 6205
63	951-12160	Crankshaft Assembly
64	951-10307	Woodruff Key
65	951-11576	Governor Gear/Shaft Assembly
66	715-04092	Dowel Pin 7×14

Ref.	Part Number	Description
67	715-04089	Dowel Pin 9×14
68	951-11371	Crankcase Cover Gasket
69	951-12125	Cover Comp, Left Crankcase
70	710-04932	Bolt M8×32
71	951-11283	Oil Plug
72	951-11578	Oil Seal, 25×41.25×6
73	951-12551	Short Block (Incl.6,22,27,28,44,46,47, 50-53,56-70,72-75)
74	951-12514	Oil Drain Plug
77	951-12126	Oil Seal 25×41.25×6
125	951-12573	Gasket Kit - External (Incl.6,22,27-29,31)
126	951-12572	Gasket Kit - Complete (Incl.6,22,27-29,31,44, 58,59,68,72,75)
130	952Z170-TU	Complete Engine

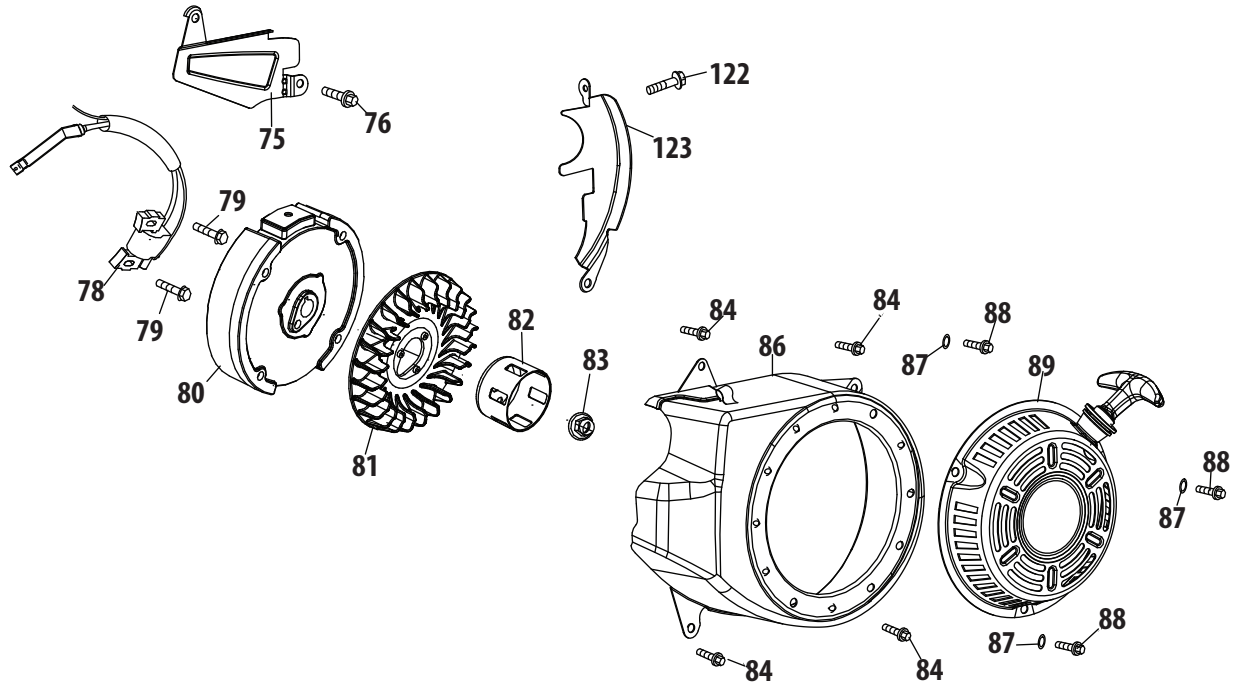
170-TU Fuel Tank & Mounting



Ref.	Part Number	Description
1	710-04968	Bolt M6×16
3	726-04101	Breather Hose Clamp
90	951-11067	Throttle Control Knob
91	951-12131	Primer Bracket
92	710-05103	Bolt M6×12
93	951-11585	Governor Spring
94	951-10664	Throttle Linkage Spring
95	951-10665	Throttle Linkage
97	951-11106	Governor Arm
98	712-04212	Nut M6
99	710-04908	Governor Arm Bolt
100	951-10650	Fuel Line Kit
101	951-11700	Fuel Hose Clamp
102	710-04915	Bolt M6×12
103	951-14075	Rollover Valve

Ref.	Part Number	Description
104	951-11914	Dipstick Decoration Cover
105	710-04905	Bolt
106	710-04915	Bolt M6×12
107	951-12482	Dipstick Assembly
108	951-11381	O-Ring
109	951-11913	Oil Fill Tube Assembly
110	951-11904	O-Ring
111	951-11912	Dipstick Guage
112	951-12535	Cap Comp,Fuel
113	951-14076	Tether
114	751-14139	Primer Hose
118	951-14077	Fuel Tank Assembly
119	951-11933	Fuel Level Indicator
120	951-10651	Fuel Tank Nipple
121	712-04212	Nut, M6

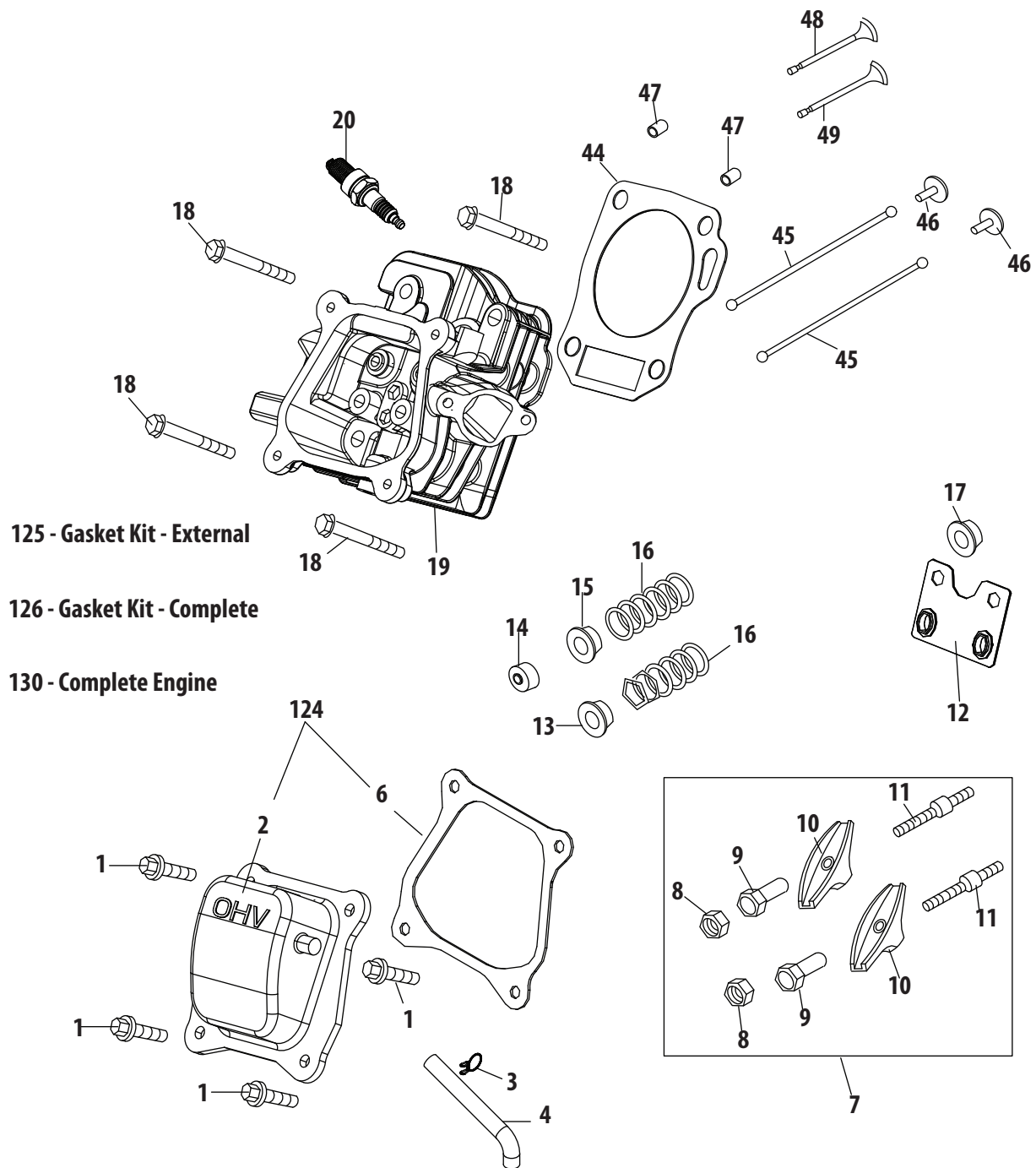
170-TU Flywheel & Blower Housing



Ref.	Part Number	Description
75	951-11110	Air Flow Shield
76	710-04940	Bolt M6×10
78	951-10792	Ignition Coil Assembly
79	710-04919	Bolt M6×25
80	951-10805	Flywheel
81	951-10934	Fan, Cooling
82	951-10911	Pulley, Starter
83	712-04209	Nut, Special, M14×1.5

Ref.	Part Number	Description
84	710-04915	Bolt M6×12
86	951-11583	Blower Housing
87	736-04455	Washer
88	710-04974	Bolt M6×10
89	951-12418	Recoil Starter
122	710-04918	Bolt M6×20
123	951-11109	Blower Housing Shield

170-TU Cylinder Head

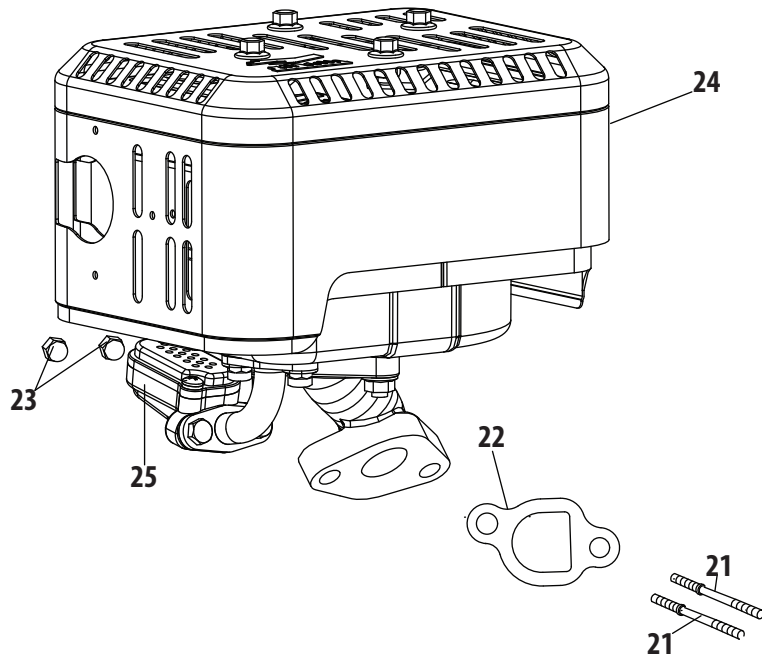


170-TU Cylinder Head

Ref.	Part Number	Description
1	710-04968	Bolt M6×16
2	951-11054	Valve Cover
3	726-04101	Breather Hose Clamp
4	731-07059	Exhaust Piping
6	951-11565	Valve Cover Gasket
7	951-11892	Rocker Arm Assembly
8	751-11124	Nut, Pivot Locking
9	751-11123	Adjusting Nut ,Valve
10	951-11893	Rocker Arm
11	710-04902	Bolt, Pivot
12	951-11895	Push Rod Guide
13	951-12000	Retainer, In.Valve Spring
14	951-12002	Adjuster, Exh Valve
15	951-12003	Retainer, Ex.Valve Spring
16	951-12004	Valve Spring
17	951-11894	Intake Valve Seal
18	710-04933	Bolt M8×55
19	951-10819	Cylinder Head Service Kit

Ref.	Part Number	Description
		Incl.4,15,16,38)
	951-10722A	Cylinder Head Assembly (Incl.6,8-17,19,22,28, 29,44,48,49)
20	951-10292	Spark Plug/F6Rtc
44	951-11572	Gasket, Cylinder Head
45	951-10648	Push Rod Kit
46	951-11899	Tappet
47	715-04108	Dowel Pin 10×16
48	951-10647A	Valve Kit
49	951-10647A	Valve Kit
124	951-11063A	Valve Cover Kit
125	951-12573	Gasket Kit - External (Incl.6,22,27-29,31)
126	951-12572	Gasket Kit - Complete (Incl.6,22,27-29,31,44, 58,59,68,72,75)
130	952Z170-TU	Complete Engine

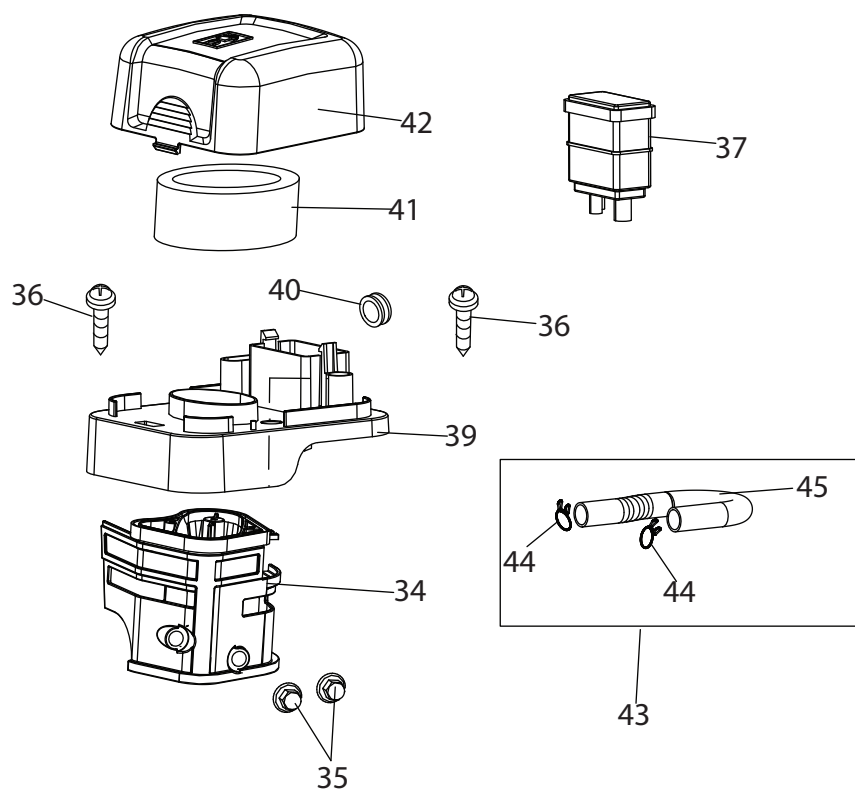
170-TU Muffler



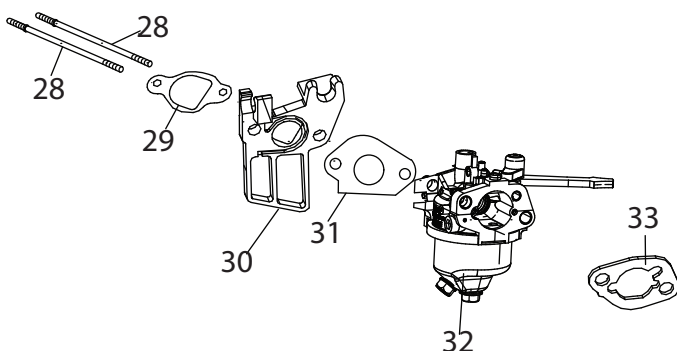
Ref.	Part Number	Description
21	951-14063	Stud M8×38
22	951-11289	Exhaust Pipe Gasket
23	712-04214	Nut, M8
24	951-14067	Muffler Assembly
25	951-12865	Secondary Air Valve

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170-VU Air Cleaner

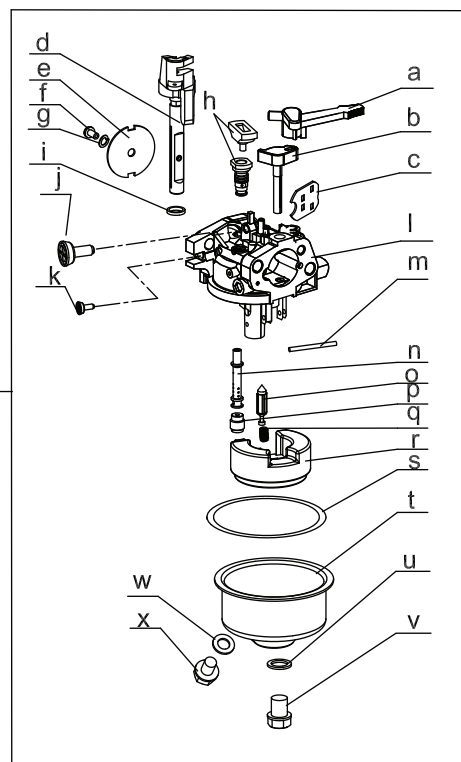


Ref.	Part Number	Description
34	951-10806	Air Cleaner Housing
35	712-04213	Nut
36	951-14068	Self-Tapping Bolt M4.2×16
37	951-14069	Carbon Canister
39	951-14070	Silencer Plate
40	750-05314	Rubber Shock Pad
41	951-10794	Air Filter Assembly
42	951-14071	Air Filter Cover
43	951-14072	Primer Hose
44	951-14073	Clamp
45	951-14074	Exhaust Piping



127 - Carburetor Kit - Major

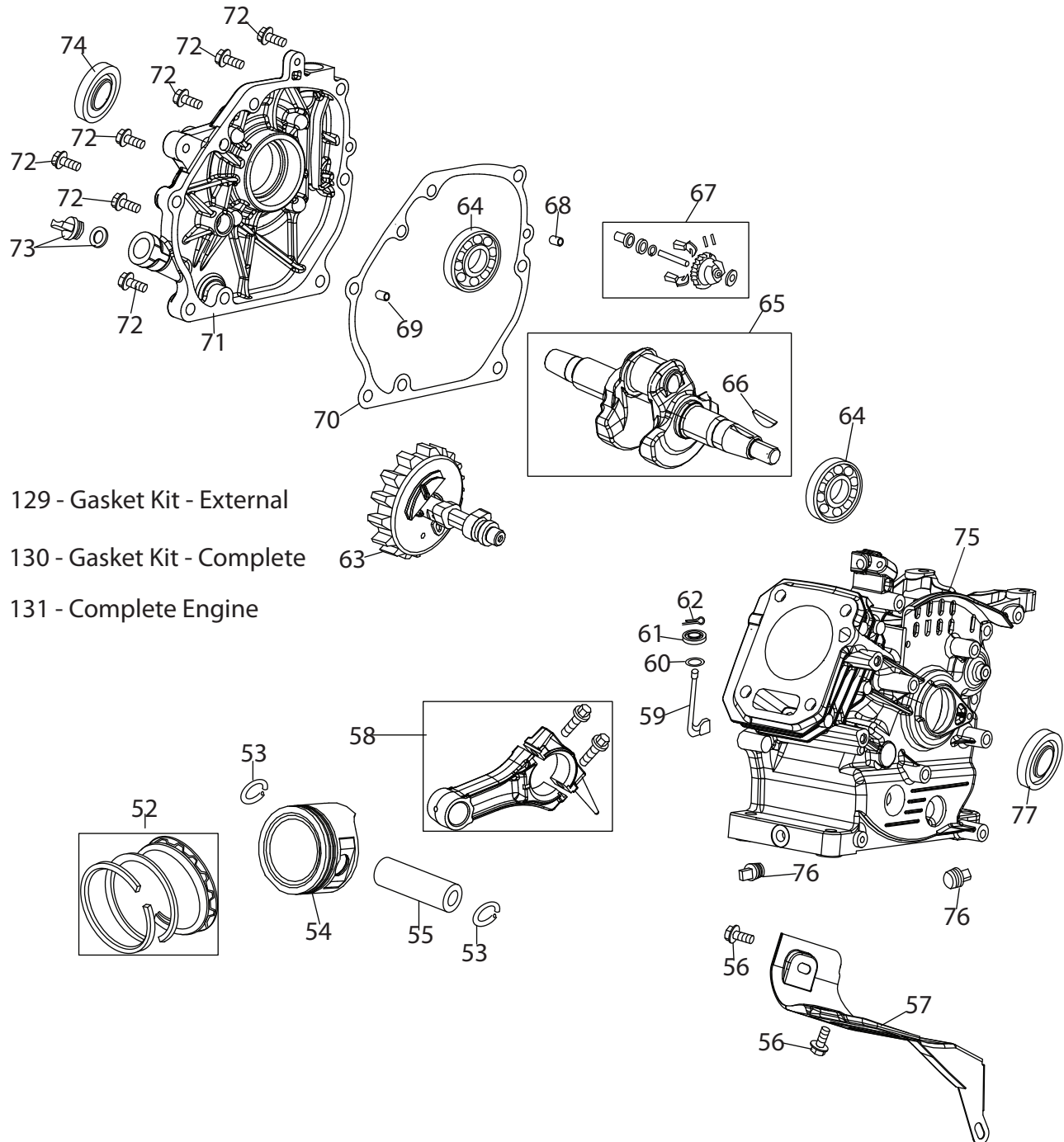
32



Ref.	Part Number	Description
28	710-05101	Stud M6×110
29	951-11567	Carburetor Insulator Gasket
30	951-11568	Carburetor Insulator
31	951-11569A	Carburetor Gasket
32	951-12124	Carburetor Assembly
33	951-11571	Carburetor Gasket Plate
127	951-12119A	Carburetor Kit - Major (Incl. h, i, j, m, n, o, p, q, r, s, u, w)
a	951-11177	Control Lever, Choke
b	n/a	Choke Shaft
c	n/a	Choke Plate
d	n/a	Throttle Shaft
e	n/a	Throttle Plate
f	n/a	Screw M3×5
g	736-04638	Lock Washer
h	n/a	Idle Jet Assembly

Ref.	Part Number	Description
i	n/a	Gasket, Throttle Plate
j	n/a	Idle Speed Adjusting Screw
k	n/a	Mixture Screw
l	n/a	Carburetor Body
m	n/a	Float Pin
n	n/a	Emulsion Tube
o	n/a	Needle Valve
p	n/a	Main Jet
q	n/a	Needle Valve Spring
r	n/a	Float
s	951-11589	Fuel Bowl Gasket
t	n/a	Fuel Bowl
u	951-11348	Fuel Bowl Gasket
v	710-04945	Fuel Bowl Mounting Bolt
w	951-11349	Fuel Drain Plug Gasket
x	710-04938	Fuel Drain Plug

170-VU Crankshaft & Crankcase



129 - Gasket Kit - External

130 - Gasket Kit - Complete

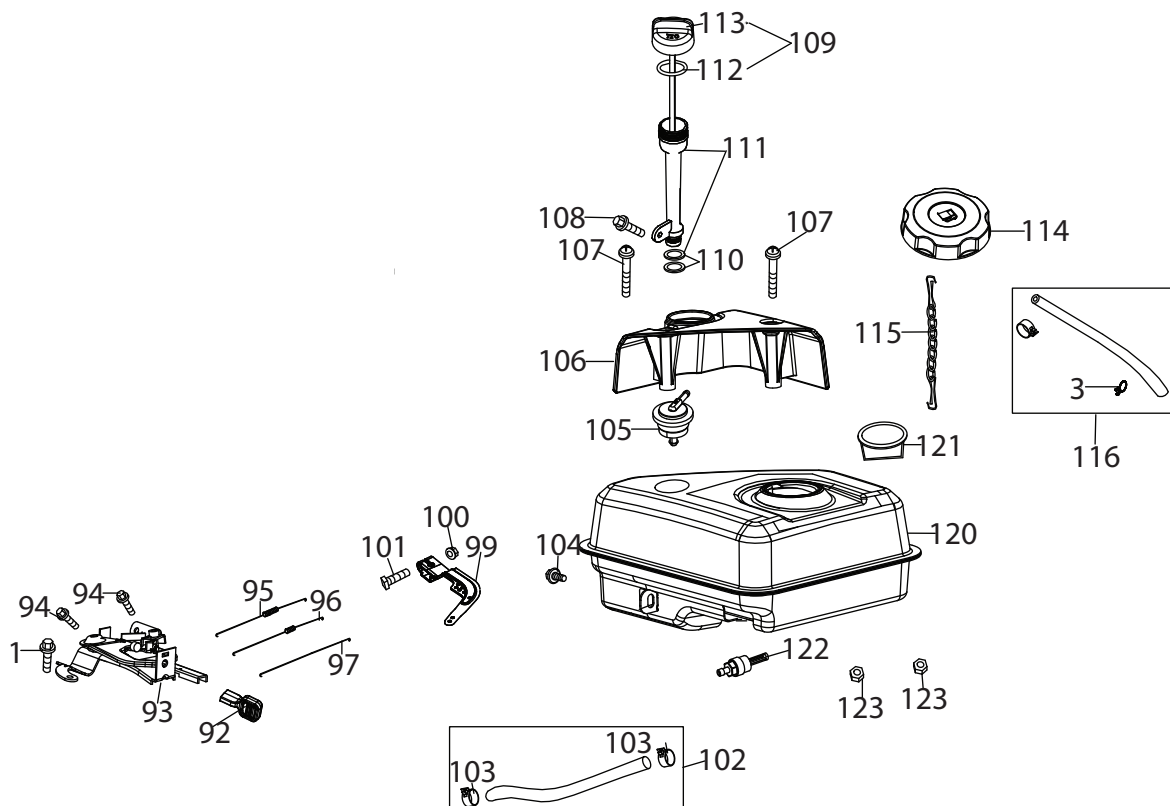
131 - Complete Engine

170-VU Crankshaft & Crankcase

Ref.	Part Number	Description
52	951-12111	Piston Ring Set
53	951-11632	Piston Pin Snap Ring
54	951-12007	Piston
55	951-11633	Piston Pin
56	710-04915	Bolt M6×12
57	951-11113	Air Shield
58	951-11573	Connecting Rod Assembly
59	951-11356	Governor Arm Shaft
60	736-04461	Washer 5.2×1.9
61	951-11574	Governor Seal
62	714-04074	Cotter Pin
63	951-11575	Camshaft Assy.
64	951-11369	Radial Ball Bearing, 6205
65	951-12160	Crankshaft Assembly
66	951-10307	Woodruff Key
67	951-11576	Governor Gear/Shaft Assembly
68	715-04092	Dowel Pin 7×14

Ref.	Part Number	Description
69	715-04089	Dowel Pin 9×14
70	951-11371	Crankcase Cover Gasket
71	951-12125	Cover Comp, Left Crankcase
72	710-04932	Bolt M8×32
73	951-11283	Oil Plug
74	951-11578	Oil Seal, 25×41.25×6
75	951-12551	Short Block (Incl.6,22,29,30,46,48,49, 52,53,55,58-72,74-77)
76	951-12514	Oil Drain Plug
77	951-12126	Oil Seal 25×41.25×6
129	951-12573	Gasket Kit - External (Incl.6,22,29-31,33)
130	951-12572	Gasket Kit - Complete (Incl.6,22,29-31,33,46, 60,61,70,74,77)
131	952Z170-VU	Complete Engine

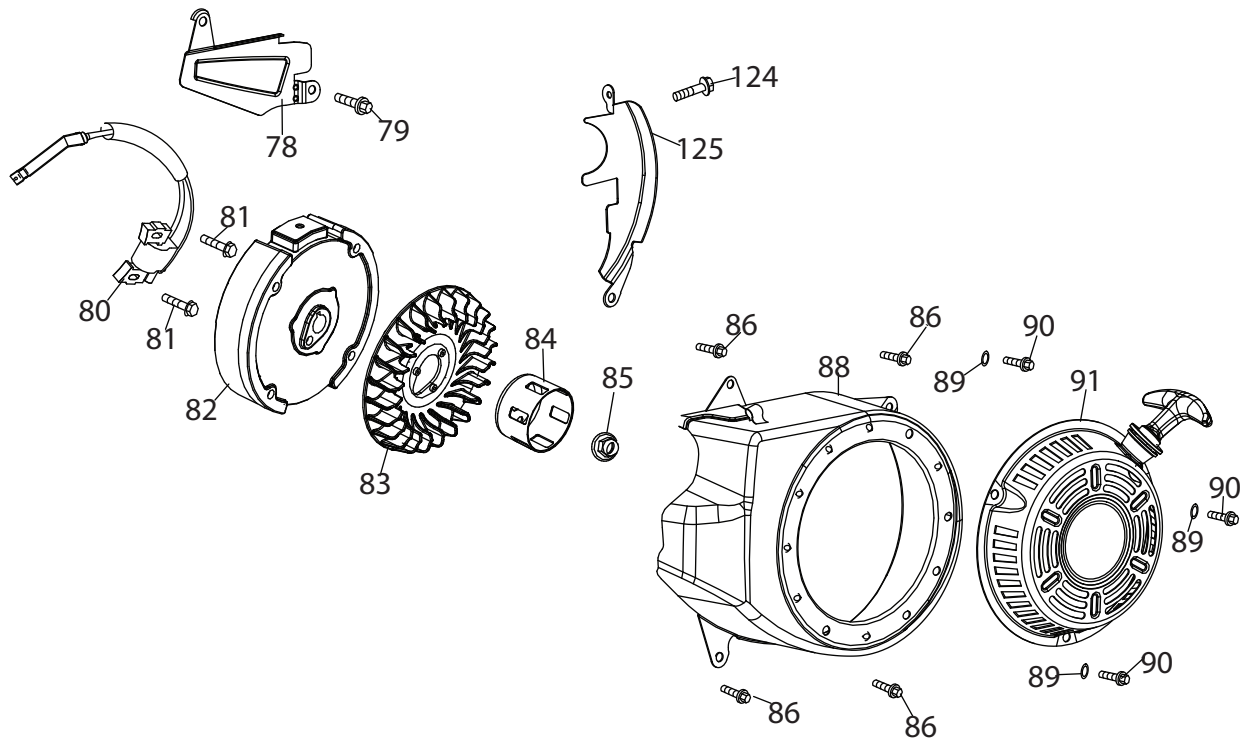
170-VU Fuel Tank & Mounting



Ref.	Part Number	Description
1	710-04968	Bolt M6x16
3	726-04101	Breather Hose Clamp
92	951-11067	Throttle Control Knob
93	951-12131	Primer Bracket
94	710-05103	Bolt M6x12
95	951-11585	Governor Spring
96	951-10664	Throttle Linkage Spring
97	951-10665	Throttle Linkage
99	951-11106	Governor Arm
100	712-04212	Nut M6
101	710-04908	Governor Arm Bolt
102	951-10650	Fuel Line Kit
103	951-11700	Fuel Hose Clamp
104	710-04915	Bolt M6x12
105	951-14075	Rollover Valve

Ref.	Part Number	Description
106	951-11914	Dipstick Decoration Cover
107	710-04905	Bolt
108	710-04915	Bolt M6x12
109	951-12482	Dipstick Assembly
110	951-11381	Oil Fill Tube O-Ring
111	951-11913	Oil Fill Tube Assembly
112	951-11904	Oil Fill Tube O-Ring
113	951-11912	Dipstick Gauge
114	951-12535	Cap Comp, Fuel
115	951-14076	Tether
116	751-14139	Primer Line Kit
120	951-14077	Fuel Tank Assembly
121	951-11933	Fuel Level Indicator
122	951-10651	Fuel Tank Nipple
123	712-04212	Nut, M6

170-VU Flywheel & Blower Housing



Ref.	Part Number	Description
78	951-11110	Air Flow Shield
79	710-04940	Bolt M6×10
80	951-10792	Ignition Coil Assembly
81	710-04919	Bolt M6×25
82	951-10805	Flywheel
83	951-10934	Fan, Cooling
84	951-10911	Pulley, Starter
85	712-04209	Nut, Special, M14×1.5

Ref.	Part Number	Description
86	710-04915	Bolt M6×12
88	951-11583	Blower Housing
89	736-04455	Washer
90	710-04974	Bolt M6×10
91	951-12418	Recoil Starter
124	710-04918	Bolt M6×20
125	951-11109	Blower Housing Shield

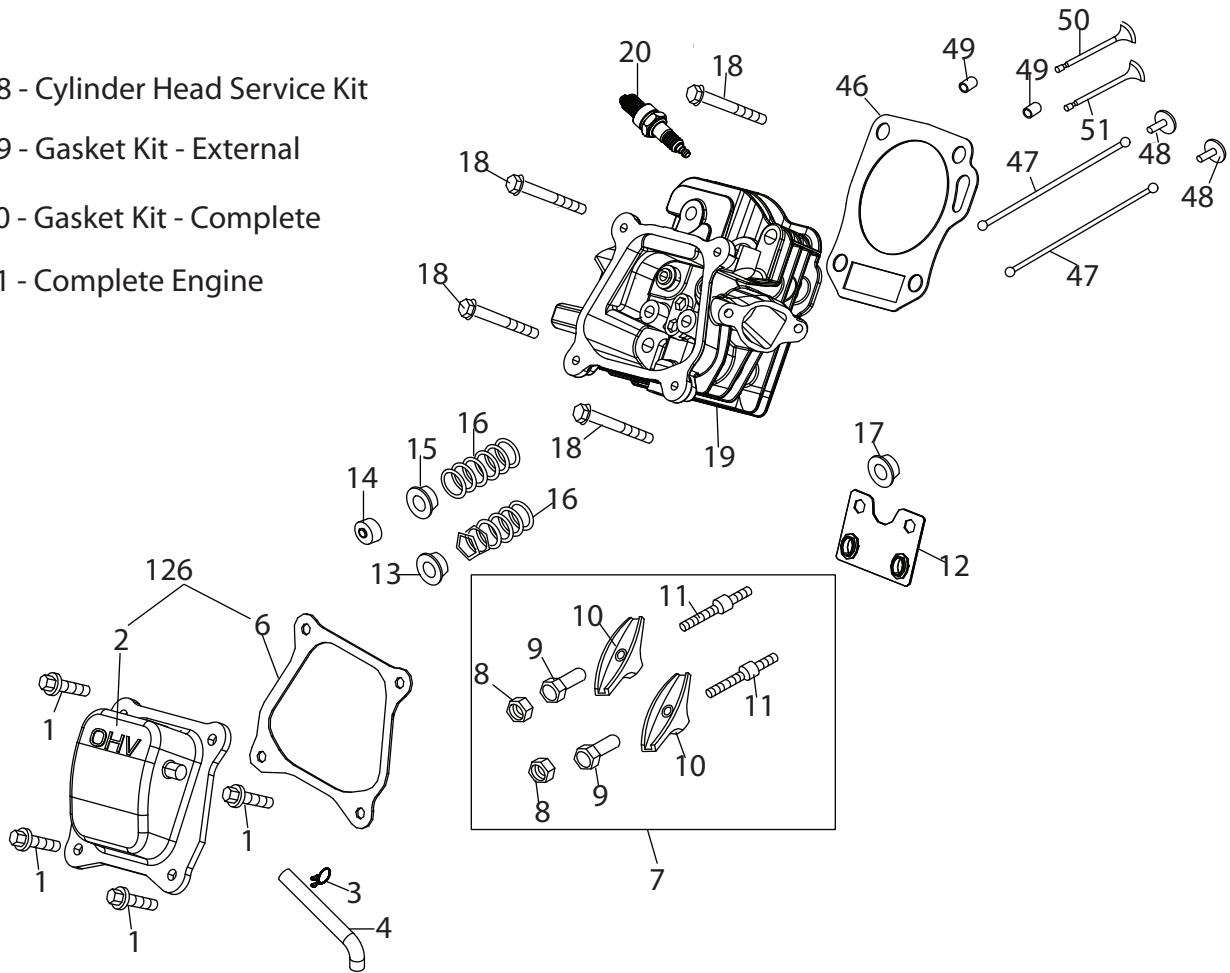
170-VU Cylinder Head

128 - Cylinder Head Service Kit

129 - Gasket Kit - External

130 - Gasket Kit - Complete

131 - Complete Engine

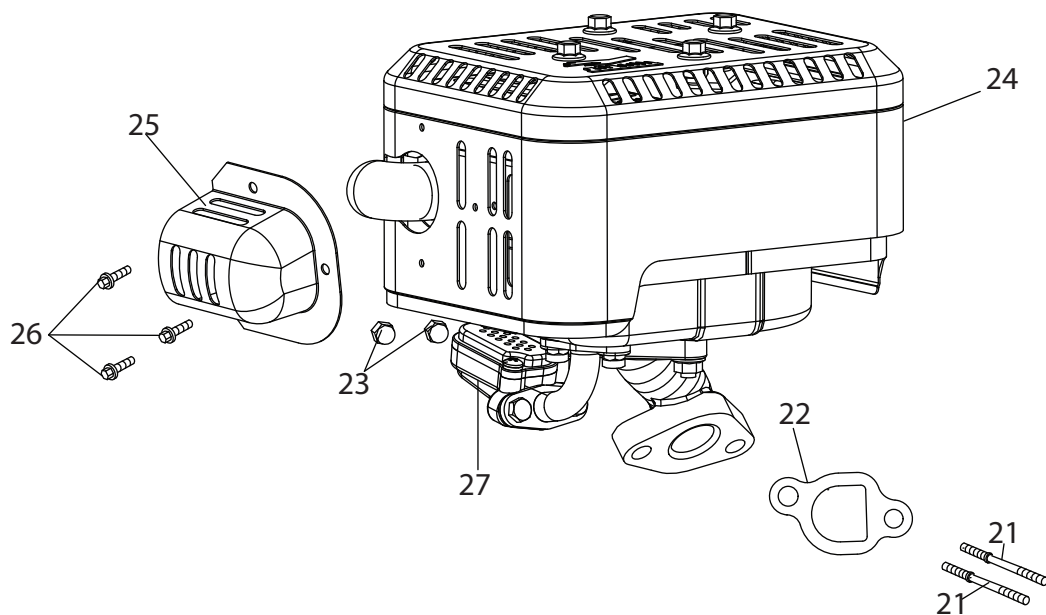


170-VU Cylinder Head

Ref.	Part Number	Description
1	710-04968	Bolt M6×16
2	951-11054	Valve Cover
3	726-04101	Breather Hose Clamp
4	731-07059	Exhaust Piping
6	951-11565	Valve Cover Gasket
7	951-11892	Rocker Arm Assembly
8	751-11124	Nut, Pivot Locking
9	751-11123	Adjusting Nut ,Valve
10	951-11893	Rocker Arm
11	710-04902	Bolt, Pivot
12	951-11895	Push Rod Guide
13	951-12000	Retainer, In.Valve Spring
14	951-12002	Adjuster, Exh Valve
15	951-12003	Retainer, Ex.Valve Spring
16	951-12004	Valve Spring
17	951-11894	Intake Valve Seal
18	710-04933	Bolt M8×55
19	951-10722A	Cylinder Head Assembly

Ref.	Part Number	Description
		(Incl.6,8-17,19,22,29, 30,46,50,51)
20	951-10292	Spark Plug/F6Rtc
46	951-11572	Gasket, Cylinder Head
47	951-10648	Push Rod Kit
48	951-11899	Tappet
49	715-04108	Dowel Pin 10×16
50	951-10647A	Valve Kit
51	951-10647A	Valve Kit
126	951-11063A	Valve Cover Kit
128	951-10819	Cylinder Head Service Kit (Incl.6,17,18,46)
129	951-12573	Gasket Kit - External (Incl.6,22,29-31,33)
130	951-12572	Gasket Kit - Complete (Incl.6,22,29-31,33,46, 60,61,70,74,77)
131	952Z170-VU	Complete Engine

170-VU Muffler



Ref.	Part Number	Description
21	951-14063	Stud M8×38
22	951-11289	Exhaust Pipe Gasket
23	712-04214	Nut, M8
24	951-14067	Muffler Assembly
25	951-14078	Exhaust Pipe Shield
26	951-14079	Duct Bolt
27	951-12865	Secondary Air Valve

Notes

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